



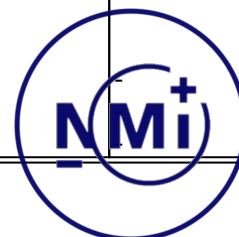
Documentation folder

Number **T11028-7**

Project number 2279639

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Number	Pages	Description	Remark
11028/0-01	1	Markings	Example
11028/4-01	1	Markings	Example (Blindverbrauchsähler)
11028/0-02	1	Type designations	-
11028/0-03	2	Sensor (CT)	-
11028/1-01	2	Sensor (DC)	-
11028/0-04	1	Housing/exploded view (CT version)	-
11028/0-05	2	Display	-
11028/0-06	2	Error codes	-
11028/0-07	3	Terminal block (CT)	-
11028/1-02	1	Terminal block (DC)	-
11028/0-08	4	Sealing	-
		MAIN printed circuit boards:	
		CT version:	
11028/0-09	1	- Assembly (V1.1)	-
11028/3-01	1	- Assembly (V1.2)	-
11028/6-01	1	- Assembly (V1.3)	-
11028/0-10	9	- Parts list (V1.18 R01)	-
11028/0-11	9	- Parts list (V1.18 R10)	-
11028/0-12	9	- Parts list (V1.18 R30)	-
11028/3-02	28	- Parts list (V1.2)	-
11028/6-02	18	- Parts list (V1.3)	-
		DC version:	
		Main printed circuit board:	
11028/1-03	2	- Assembly (V2.0)	-
11028/1-04	8	- Parts list (V2.0.2)	-
		Power Supply boards:	
		Single power supply:	
11028/0-13	2	- Assembly	-
11028/0-14	2	- Parts list (230V)	-
11028/0-15	2	- Parts list (58 V)	-





Documentation folder

Number **T11028-7**

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Number	Pages	Description	Remark
11028/2-01	1	Wide range power supply (58 240 V): - Assembly V1.1	-
11028/5-01	1	- Assembly V1.2	- 277V
11028/2-02	3	- Parts list (with aux power supply)	-
11028/2-03	4	- Parts list (without aux power supply)	-
		Additional information	
11028/4-02	8	List of protected parameters	-Only applicaple for Baumusterprüfbescheinigung/ Blindverbrauchszähler





Markings MetCom Systems MCS301

CT variants:

Made in Germany



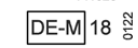
Messwandlerzähler
MCS301-C341C-2EMIS-02420M

R_{LR} 10000 (Imp/kvarh)

T1 T2 T3 T4 M1 M2 M3 M4 RS P

Ser. Nr. 10000157
2018 -40°C .. +70°C IP54 50 Hz
3 x 230/400 V 0.01-1(6) A
Wirk Klasse C EN 50470-3
Blind: Klasse 2 IEC 62053-24
 $R_A=5000$ (Imp/kWh/kvarh)

R_{LA} 10000 (Imp/kWh)



DE-18-M-NMI-xxxx
MetCom Systems GmbH
Marie-Curie-Straße 19
68219 Mannheim
Germany

96.0.x
0.9.x
1...
2...
3...
4...
5...
6...
7...
8...
...4...
...6...
...7...
...8...
...x...
...vV
0.2.0

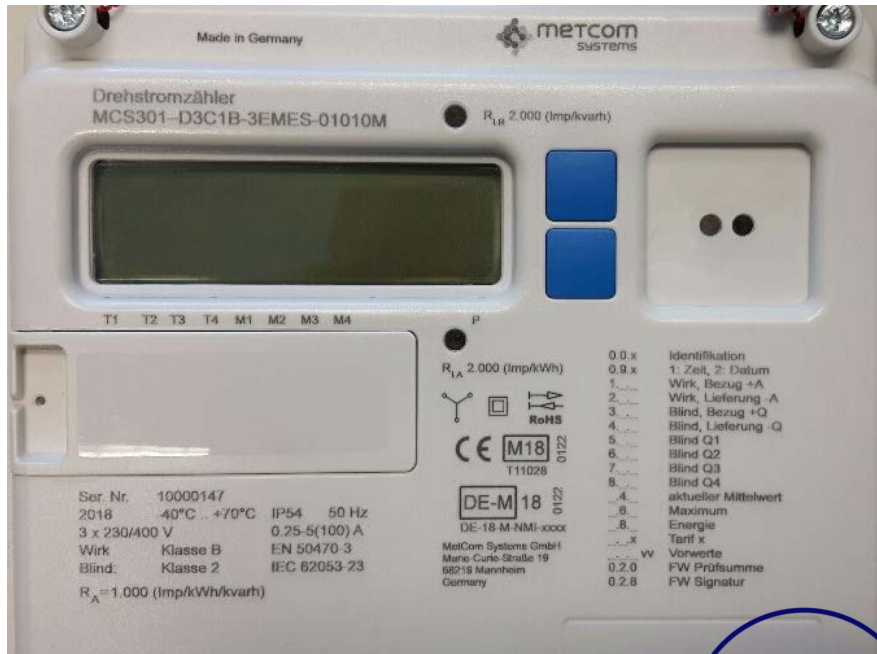
Identifikation
1: Zeit, 2: Datum
Wirk, Bezug +A
Wirk, Lieferung -A
Blind, Bezug +Q
Blind, Lieferung -Q
Blind Q1
Blind Q2
Blind Q3
Blind Q4
aktueller Mittelwert
Maximum
Leistung
Energie
Tarif x
Vorwerte
FW Prüfsumme

Eigentum des Messstellenbetreibers



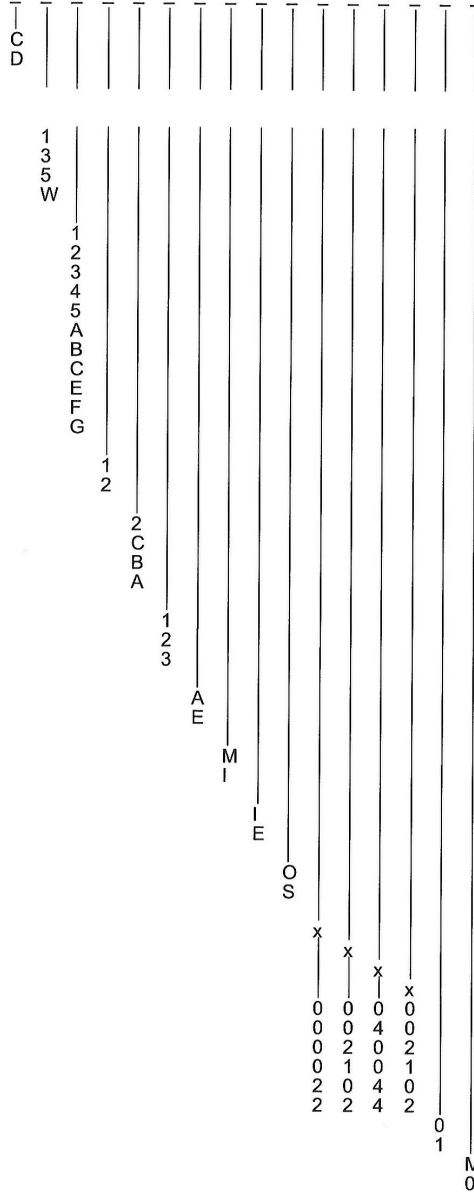
1 MCS00 1000 0157

Direct connected variants:



32 Type key

MCS301 -



Connection Type:

Transformer rated meter
direct connected meter

Nominal Voltage and Network Type

3 x 58/100 V or 3 x 63/110 V (4-wire, 3 systems)
3 x 230/400 (4-wire, 3 systems)
3 x 220/380 or 230/400 (4-wire, 3 systems)
3 x 58/100 V...3x 240/415 V (4-wire, 3 systems)

Nominal Current:

1 (2) A
5 (6) A
5/1 A or 1 (6) A
1 (10) A
5 (10) A
5 (60) A
5 (80) A
5 (100) A
10 (60) A
10 (80) A
10 (100) A

Frequency:

50 Hz
60 Hz

Accuracy Class:

Active energy, +A class 0.2S (IEC 62053-22)
+A energy, cl. 0.5S, C (EN 62053-22, EN50470-3)
+A energy, class 1, B (EN 62053-21, EN50470-3)
+A energy, class 2, A (EN 62053-21, EN50470-3)

Measured Quantities:

Active energy only
Active energy and reactive energy
Active, reactive, apparent energy

Memory size:

Standard
Extended

Structure:

Modular for external communication modules
closed (basis) version

Battery:

Internal battery for buffering real time clock
Internal and external battery (RWP)

Communication Interface:

only optical interface
optical and RS485 interface

Additional Functions

control inputs (0 .. 2)
electronic outputs (S0-Standard) (0 .. 2)
electronic outputs (230 V, 100 mA) (0 .. 4)
bistable relays (I_{max} 10A) (0 .. 2)
2 outputs (S0)
4 electronic outputs (230 V)
2 electronic outputs (S0) / 2 relays
1 electronic output (S0) / 1 relays
2 inputs/2 S0 outputs / 4 outputs (230 V)
2 input/2 S0 output/4 outputs (230 V) / 2 relays
no auxiliary power supply
with auxiliary power supply (48-230V AC/DC)
Wired M-Bus Master (EN 13757-2)
no wired M-Bus

Remark: for the direct connected meter the number of I/O is limited to

- RS485 interface
- Wired M-Bus interface
- 1x S0 output
- 1x mech. Relay output (10A)

MCS301 meter - product Manual 1.14



MetCom Systems GmbH

K-Nr.: 22461	Wechselstromwandler / Current Transformer	Datum: 24.11.2010
K-no.:		Date:

Kunde: Typenelement / Standard Type	Kd. Sach Nr.:	Seite 1 von 2
Customer	Customers part no.:	Page of

Maßbild (mm): Freimaßtoleranz DIN ISO 2768-c Mechanical outline General tolerances	Anschlüsse: Connections: Leerstifte: Nr. 2+3 Dummy pins: no.2+3
Tolerances grid distance $\pm 0,2\text{mm}$ (Toleranz der Stiftabstände $\pm 0,2\text{mm}$)	

Anschlußschema: Schematic diagram	Betriebsdaten/Charakteristische Daten (Richtwerte): Operational data/characteristic data (nominal values):
	$R_{Cu2} = 115 \Omega \quad R_{Cu2} \leq 126 \Omega$ Siehe Bemerkung 3) auf Seite 2 / see remark 3) on page 2
$\ddot{u} = (1) : 2000$	Umgebungstemperatur/ambient temperature: $-40^\circ\text{C} \dots +85^\circ\text{C}$ Lagertemperatur/storage temperature: $-40^\circ\text{C} \dots +85^\circ\text{C}$

Prüfung: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1)
 Inspection

- 1) (AQL 1/S4) M3014: $U_{p,eff} = 4,0 \text{ kV}, 2 \text{ s},$ N2 gegen/to Durchsteckdorn ($\varnothing 6,0\text{mm}$)/currentwinding
- 2) (AQL 0,25) M3011/1: $L_2 = 110 \text{ H} \pm 30\% \quad f = 50 \text{ Hz}, \quad U_{AC,eff} = 230 \text{ mV}$
- 3) (V) M3011/6 Sonderprüfung (Stromtrafoprüfgerät N4):
 special measuring (current transformer measuring instrument N4):
 Polarität / Übersetzungsverhältnis: Toleranz $\pm 1\%$ ($\pm 20 \text{ Wdg.}$)
 Polarity / Turns ratio: Tolerance ($\pm 20 \text{ turns}$)
- 4) (AQL 1/S4) M3200: Mechanische Prüfung
 Mechanical test
- 5) (Fix05) M3290: Solderability test acc 1
 Lötbarkeitstest nach 1

Siehe Seite 2
See page 2

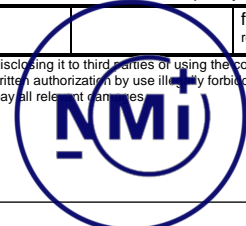
Weitere Vorschriften: Gehäusewerkstoff, Gießharz und Draht UL-gelistet
 Applicable documents: Housing material, casting resin and wire UL - listed

Datum	Name	Index	Änderung
24.11.10	HL	82	Remark 3) on page 2 implemented. Lapidary change.
01.09.10	HL	82	Pin tolerance $\pm 0,03\text{mm}$ specified and ambient temperature changed from $+70^\circ$ into $+85^\circ$. Lapidary change.

Hrsg.: KB-E editor	Bearb: HL. designer	KB-PM B: Ert. check	freig.: Pe. released
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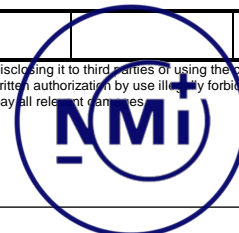


**DATENBLATT / Specification****Sach Nr.: T60404-E4622-X501**

Item no.:

K-Nr.: 22461
K-no.:

Wechselstromwandler / Current Transformer

Datum: 24.11.2010
Date:Kunde: Typenelement / Standard Type
CustomerKd. Sach Nr.:
Customers part no.:Seite 2 von 2
Page ofTypprüfung:
Type test:1) M3014: $U_{p,eff} = 4,0 \text{ kV}$, 1 min, N2 gegen/to Durchsteckdorn ($\varnothing 6,0\text{mm}$)/currentwinding2) Stoßspannungsprüfung in Anlehnung an M3064
HV transient test according to M3064N2 gegen Durchsteckdorn ($\varnothing 6,0\text{mm}$) / N2 to currentwindingEinstellwerte: 1,2 μs / 50 μs -Kurvenform (waveform)
Settings $U_{p,max} = 6 \text{ kV}$ Messungen nach Temperaturangleich der Prüflinge an Raumtemperatur
Measurements after temperature balance of the test samples at room temperatureBemerkung:
Remark:1) Dieses Produkt ist durch eines oder mehrere Patente geschützt, u.a./
This product is protected by one or more patents, including
US 6663815, EP 1105893; US 6507262, EP 1131830, KOR 6065152) The resistance to alcohols and similar detergents of the component is restricted
When performing washing procedures own tests are recommended.
Das Bauelement besitzt eine eingeschränkte Beständigkeit gegen Alkohole und ähnliche Reinigungsmittel.
Bei Waschprozessen empfehlen wir die Durchführung von eigenen Tests.3) Dieses Bauelement wurde ursprünglich für Anwendungen mit folgenden typischen Betriebsbedingungen
ausgelegt: / This component has been designed for applications where the typical operating conditions are: $f = 50 \text{ Hz}$, $I_{max} = 6 \text{ A}$, $R_B = 100 \text{ Ohm}$, $U_B (I_{max}) = 300 \text{ mV}_{rms}$
 $f = 60 \text{ Hz}$, $I_{max} = 20 \text{ A}$, $R_B = 30 \text{ Ohm}$, $U_B (I_{max}) = 300 \text{ mV}_{rms}$ Es kann jedoch auch bei abweichenden Betriebsbedingungen eingesetzt werden wie z.B. /
It may be used as well in applications where the operating conditions are different, like e.g. $f = 60 \text{ Hz}$, $I_{max} = 50 \text{ A}$, $R_B = 10 \text{ Ohm}$, $U_B (I_{max}) = 250 \text{ mV}_{rms}$ Derartige spezielle Betriebsbedingungen sind im Einzelfall auf Anfrage zu vereinbaren und in der jeweiligen
Schaltung zu erproben / Special operating conditions have to be agreed upon request and to be tested in the application circuitHrsg.: KB-E
editorBearb: HL.
designerKB-PM B: Ert.
checkfreig.: Pe.
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Page**11028/0-03**
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Specification / DATENBLATT

Item No.: T60404-E4626-X501

Sach-Nr.:

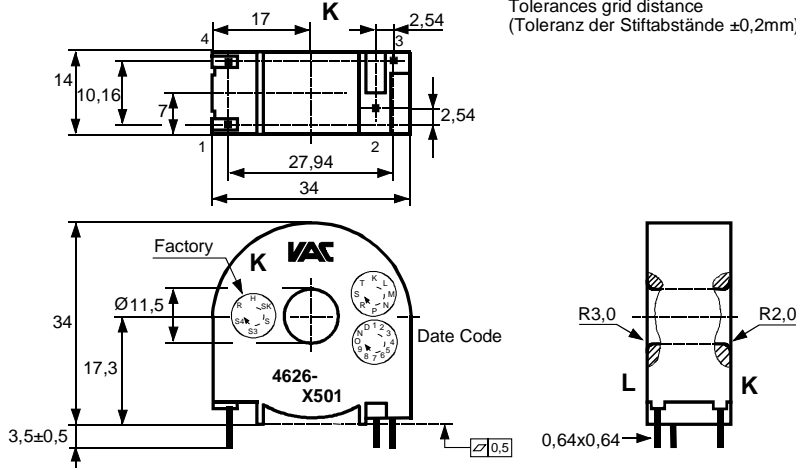
K-No.: 22369
K-Nr.:

Current Transformer / Wechselstromwandler

Date: 17.01.2011
Datum:Customer: Standard Type / Typenelement
KundeCustomers part no.:
Kd. Sach Nr.:Page 1 of 2
Seite von

Mechanical outline General tolerances DIN ISO 2768-c

Maßbild (mm): Freimaßtoleranz

Tolerances grid distance
(Toleranz der Stiftabstände ±0,2mm)Connections:
Anschlüsse:Dummy pins
Leerstifte:

2, 3

Schematic diagram

Anschlußschema:

 $\ddot{u} = (1) : 2500$ Operational data/characteristic data (nominal values):
Betriebsdaten/Charakteristische Daten (Nichtwerte):

$R_{Cu2} = 44 \Omega$
 $I_{max, rms} = 100 A$ (acc. to IEC 62053-21)
 $I_{peak, 0p} = 100 A$ (acc. to IEC 62053-21)
 $f = 50 Hz$
 $R_B = 7,5 \Omega$

ambient temperature/Umgebungstemperatur: $-40^\circ C \dots +70^\circ C$
 storage temperature/Lagertemperatur: $-40^\circ C \dots +85^\circ C$

Prüfung: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1)
Inspection

- (AQL 1/5) M3014: $U_{p,eff} = 4,0 kV, 2 s, N2$ vs/gegen Current winding ($\varnothing 9,0mm$)/Durchsteckdom
- (AQL 0,25) M3011/1 $L_2 = 2,1 H \pm 17\%, f = 50 Hz, U_{AC,eff} = 100 mV$
- (V) M3011/6 Special measuring (Current transformer measuring instrument N4):
Sonderprüfung (Stromtrafoprüfgerät N4):

Polarity / Turns ratio: Tolerance $\pm 1\%$ (± 25 turns)
Polarität / Übersetzungsverhältnis: Toleranz $\pm 1\%$ (± 25 Wdg.)
- (Fix 05) M3290: Solderability test acc. to chapter 1
Lötbarkeitstest nach Abschnitt 1
- (AQL 1/5) M3200: Mechanical test
Mechanische Prüfung

See page 2
Siehe Seite 2

Weitere Vorschriften: Gehäusewerkstoff, Gießharz und Draht UL-gelistet

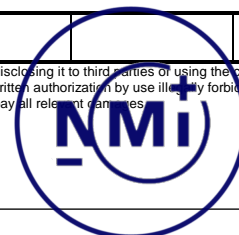
Applicable documents: Housing material, casting resin and wire UL - listed

Datum	Name	Index	Änderung
17.01.11	Ert.	82	Remark 3 on page A2 added. Lapidary change.

Hrsg.: KB-E
editorBearb.: HL
designerKB-PM B: Pf.
checkfreig.: Pe.
released

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**Specification / DATENBLATT****Item No.: T60404-E4626-X501**

Sach-Nr.:

K-No.: 22369
K-Nr.:

Current Transformer / Wechselstromwandler

Date: 17.01.2011
Datum:Customer: Standard Type / Typenelement
KundeCustomers part no.:
Kd. Sach Nr.:Page 2 of 2
Seite vonTypprüfung:
Type test:

- 1) M3014: $U_{p,eff} = 4,0 \text{ kV}$, 1 min, N2 vs/gegen Current winding ($\varnothing 9,0\text{mm}$)/Durchsteckdom
- 2) HV transient test according to M3064
Stoßspannungsprüfung in Anlehnung an M3064
- N2 vs Current winding ($\varnothing 9,0\text{mm}$)/N2 gegen Durchsteckwindung
- Settings: 1,2 μs / 50 μs -waveform (Kurvenform)
Einstellwerte: $U_{p,max} = 6 \text{ kV}$

Measurements after temperature balance of the test samples at room temperature
Messungen nach Temperaturgleich der Prüflinge an Raumtemperatur**Remark:**

Bemerkung

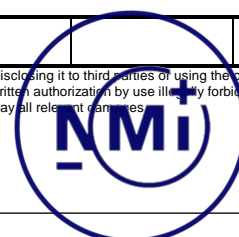
- 1) This product is protected by one or more patents, including /
Dieses Produkt ist durch eines oder mehrere Patente geschützt, u.a
US 6663815, EP 1105893
- 2) The resistance to alcohols and similar detergents of the component is restricted.
When performing washing procedures own tests are recommended.
Das Bauelement besitzt nur eine eingeschränkte Beständigkeit gegen Alkohole und ähnliche Reinigungsmittel.
Bei Waschprozessen empfehlen wir die Durchführung von eigenen Tests.
- 3) This product has been designed for use in electricity meters that have to meet the requirements of IEC 62053-21 and
EN 50470-3. By using this product, the following supplementary conditions ("realistic load conditions") can easily be met:

a) Supplementary condition to IEC 62053-21 Table 8

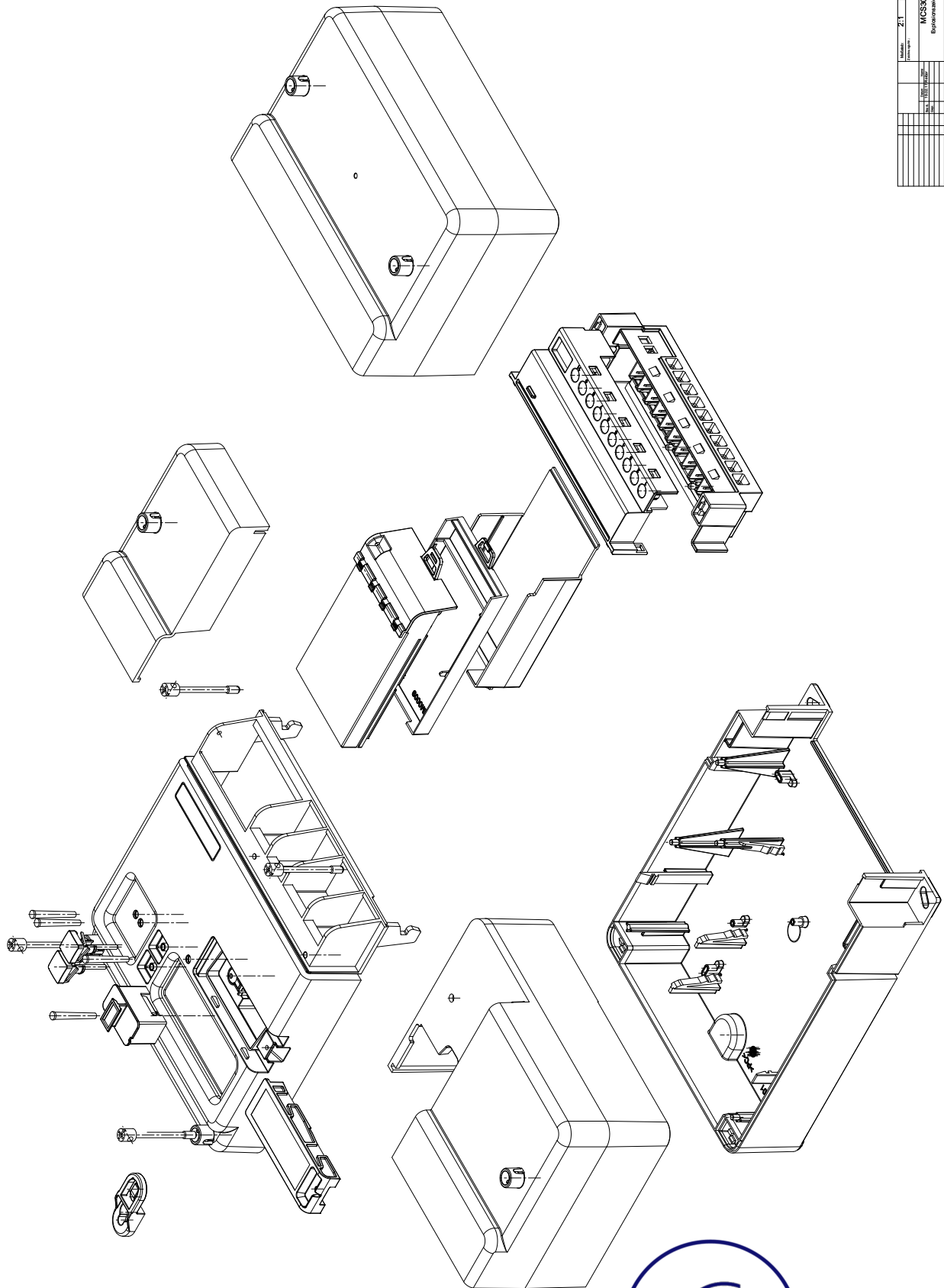
Influence quantity	Value of current for direct connected meters	Power Factor	Limits of variation in percentage error for meters of class	
			1	2
DC and even harmonics in the a.c. current circuit	$\frac{I_{max}}{\sqrt{2}}$	1 0.5 inductive	3.0	6.0

b) Supplementary condition to EN50470-3 Table 9

Disturbance	Value of current for direct connected meters	Power Factor	Critical change value for meters of class index, %		
			A	B	C
DC and even harmonics in the a.c. current circuit	$\frac{I_{max}}{\sqrt{2}}$	1 0.5 inductive	± 6.0	± 3.0	± 1.5

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editorBearb: HL
designerKB-PM B: Pf.
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Modelo	Z-1	Revisión	01
Proyecto	MCS301		
Descripción	Expansión de línea		
Fecha de inicio		Fecha de fin	
Elaborado por		Revisado por	
NMI Com Sistemas de Comunicación			



	Doc no	11028/0-04
	Page	1 of 1

6 Display Control

6.1 Display

The LCD of the meter should have the following format:

- LCD size: 80mm x 24,5mm
- Digit size: 8mm x 4,0mm
- Digit size (OBIS code): 5,5mm x 2,8mm

The digits for the LC display of the MCS301 you will find in Fig 15:

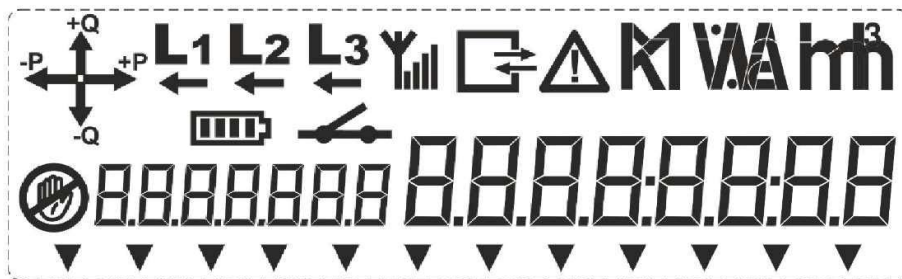


Figure 15: display of the meter

	Value range (8 digits), separated by dots and top dots
	OBIS codes (7 digits), separated by dots
	Tampering symbol
	Configurable arrows (max. 12), example
	Activated energy tariff indication (T1 ... T8)
	Activated demand tariff indication (M1 .. M4)
	Test mode indication
	Tariff control by internal clock
	Status of 2 load control relays (ON/OFF)
	EOI, end of interval
	Load profile activated
	Display of successful communication of M-Bus since last 24h
	Indication of legally relevant data (arrow no 12)









	Low battery symbol (symbol)
	Status of disconnecter (3 symbols)
	Status of GPRS signal strength (4 symbols), 1-4 symbols will be displayed depending on the signal strength
	alarm symbol or demand exceed (1 symbol)
	3ph energy flow indication (4 symbols) for active and reactive energy import and export +P means energy means that the utility is delivering energy
L1 L2 L3	Phase voltage indication (3 symbols), ON means present Present status of phase voltage, wrong rotation field => all symbols are blinking
I1 I2 I3	Indication of reverse energy flow per phase (3 symbols)
	Communication indication (1 symbol), active if communication on optical or any electrical interface
kWh	Display of Units: kWh, kW, kvarh, kvar, kVAh, kVA (same in MW..) A, kA, V, kV, Hz, %, m ³

Table 1: list of display items

6.1.1 Back lightened display

The display can optionally be back-lightened to be readable under dark reading conditions. The back lightened display will be activated for a configurable time (5..255s) by pressing the alternate or the demand reset button.

This feature will be available even if the meter is not connected to the main power.

6.1.2 Optical display scrolling

In case the meter is installed in a meter box, without having direct access for reading the meter data, the MCS301 meter data can be read on the LCD by using a flash light, which should be lightened on the optical sensor of the optical interface.

With this flash light the reader has the same functionality as by using the alternate button.



23 Security functions

23.1 Status and Fatal Error messages

The status of the alarm and Fatal error register can be displayed on the LCD or readout through the optical or electrical interface. The Alarm Register is intended to log the occurrence of any alarms. This is a four bytes register. If any alarm occurs, the corresponding flag in alarm register is set. All alarm flags in the alarm register remain active until the alarm registers are cleared.

23.1.1 Display of alarm register 1

OBIS code of the alarm register 1: **0-0:97.98.0**

The bit assignment of the alarm register 1 is shown below

Bit	Alarm Description
0	Clock Invalid
1	Battery Replace
2	Reserved
3	Reserved
4	Reserved
5	Reserved
6	Reserved
7	Reserved
8	Program Memory Error
9	RAM Error
10	NV Memory Error
11	Measurement System Error
12	Watchdog Error
13	Fraud Attemp
14	Reserved
15	Reserved
16	M-bus Communication Error Ch1
17	M-bus Communication Error Ch2
18	M-bus Communication Error Ch3
19	M-bus Communication Error Ch4
20	M-bus Fraud Attempt Ch1
21	M-bus Fraud Attempt Ch2
22	M-bus Fraud Attempt Ch3
23	M-bus Fraud Attempt Ch4
24	Permanent Error M-bus Ch1
25	Permanent Error M-bus Ch2
26	Permanent Error M-bus Ch3
27	Permanent Error M-bus Ch4
28	Battery low on M-bus Ch1
29	Battery Low on M-bus Ch2
30	Battery Low on M-bus Ch3
31	Battery Low on M-bus Ch4

Table 45: Alarm register 1

23.1.2 Display of alarm register 2

The OBIS code of the alarm register 2 is: **0-0:97.98.1**

The bit assignment of the alarm register 2 is shown below

Bit	Alarm Description
0	Power Down
1	Power Up
2	Voltage Missing Phase L1
3	Voltage Missing Phase L2
4	Voltage Missing Phase L3
5	Voltage Normal Phase L1
6	Voltage Normal Phase L2
7	Voltage Normal Phase L3
8	Missing Neutral
9	Phase Asymmetry
10	Current Reversal
11	Wrong Phase Sequence
12	Unexpected Consumption
13	Key Exchanged
14	Bad Voltage Quality L1
15	Bad Voltage Quality L2
16	Bad Voltage Quality L3
17	External Alert
18	Local Communication Attempt
19	New Mbus Device Installed Ch1
20	New M-bus Device Installed Ch2
21	New M-bus Device Installed Ch3
22	New M-bus Device Installed Ch4
23	Reserved
24	Reserved
25	Reserved
26	Reserved
27	M-bus Valve Alarm Ch1
28	M-bus Valve Alarm Ch2
29	M-bus Valve Alarm Ch3
30	M-bus Valve Alarm Ch4
31	Disconnect/Reconnect Failure

Table 176: Alarm Register 2

23.1.3 Display of Fatal Error register

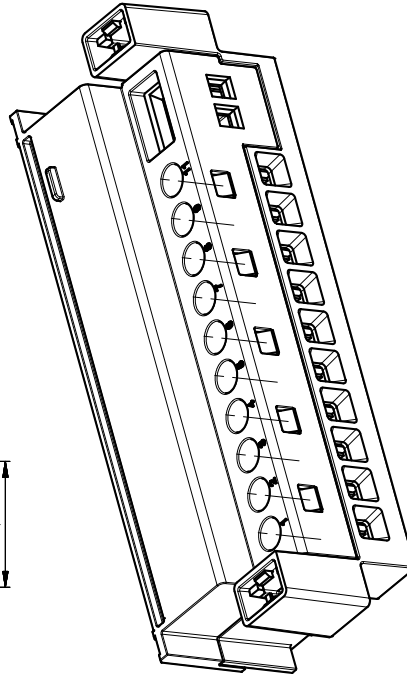
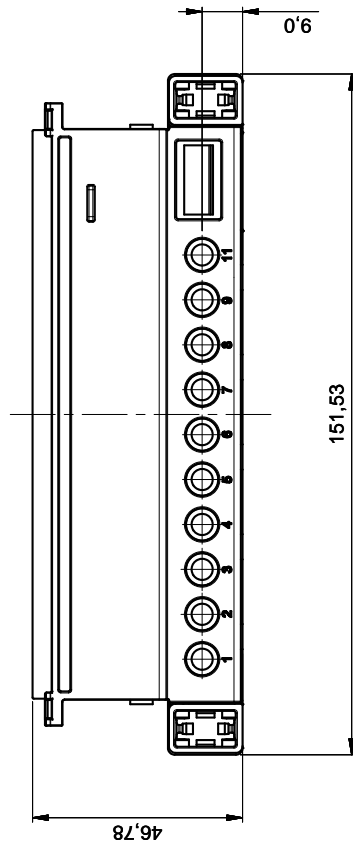
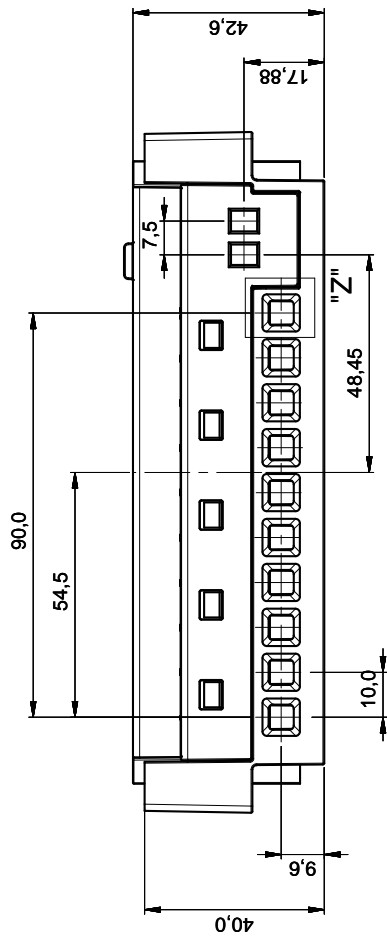
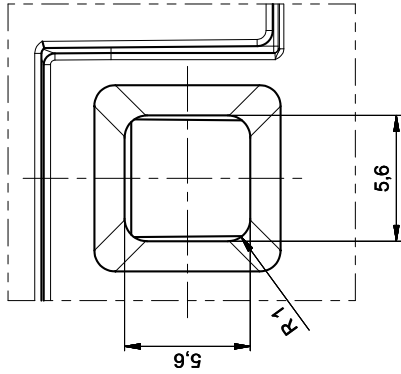
The OBIS code of the error message register is: **0-0:97.97.1**

The bit assignment of the Fatal error register is shown below

Bit	Alarm Description
0	Reserved
1	Reserved
2	Program Memory Error
3	RAM Error
4	NV Memory Error
5	Measurement System Error
6	Watchdog Error
7	Reserved

Table 47: Fatal error messages

Detail "Z" (5:1)




Doc no

11028/0-07

Page

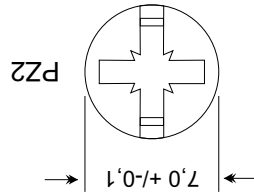
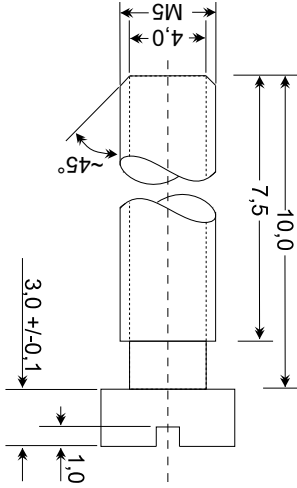
1 of 3

Umschreibungs-Nr. nach DIN 34		Maßstab: 1:1	Zeichnungs-Nr.:	
Datum: 10.02.17		Name: Reiber		Zähler MCS301 Klemmenblock Wandler
Beibh. Gepr.:				
Artikel-Nr.:		2		
Maschine:				

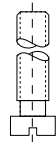
Freigabe 15.08.2016	Unit: mm
Designed by WS	Sheet 1 of 1
galvanized steel 4,8	MM0011



REV.	A
------	---




M3:1



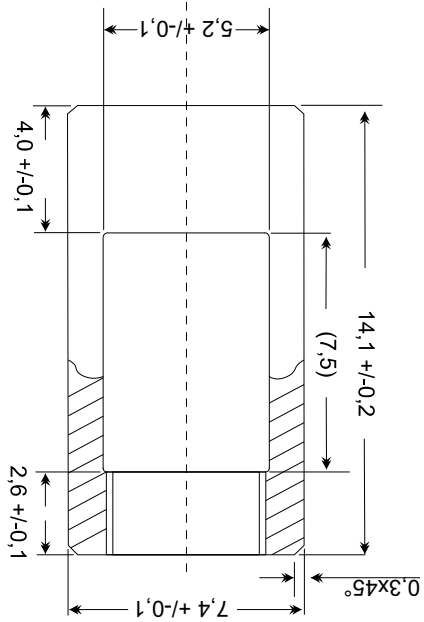
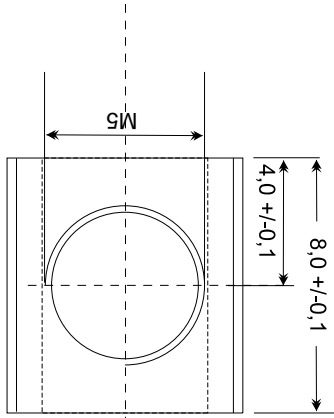
M1:1



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	Page	2 of 3

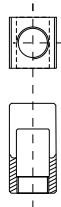
Freigabe 11.10.2016	CuZn39Pb2zh
Unit: mm	
MM0025	Designed by WS
	

REV.	B
------	---

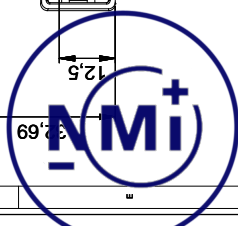
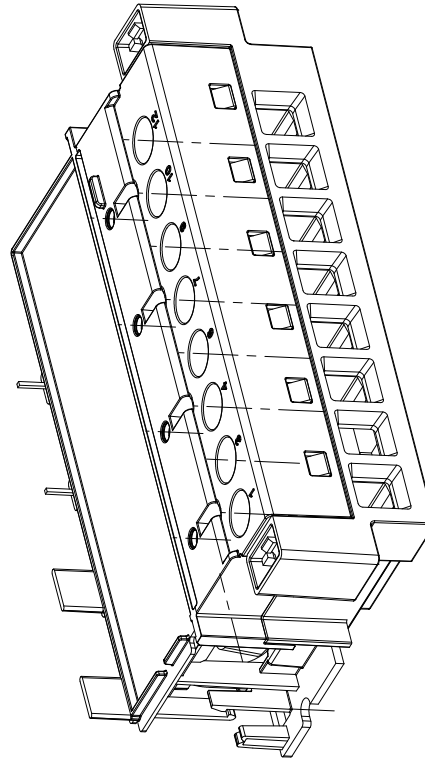
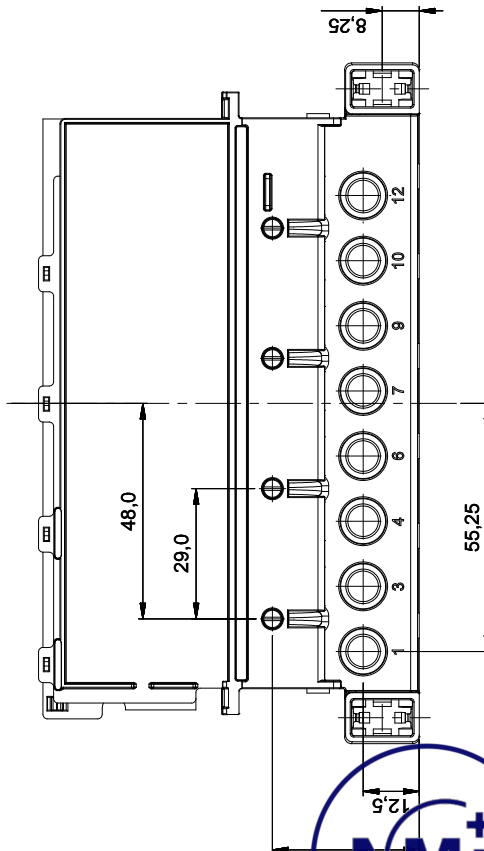
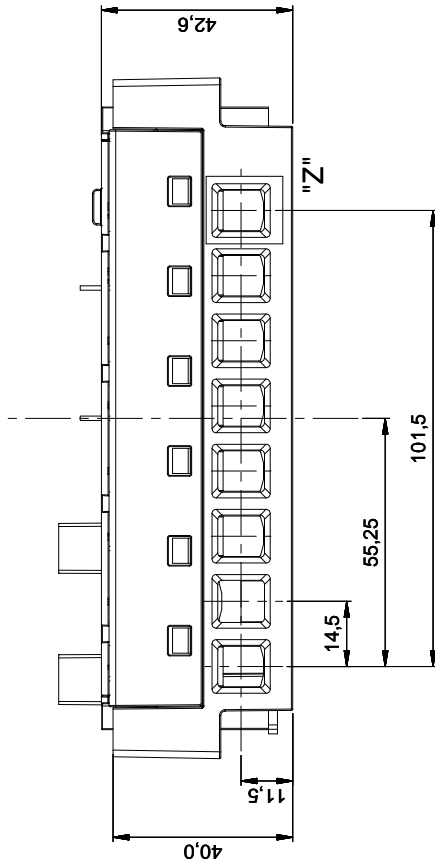
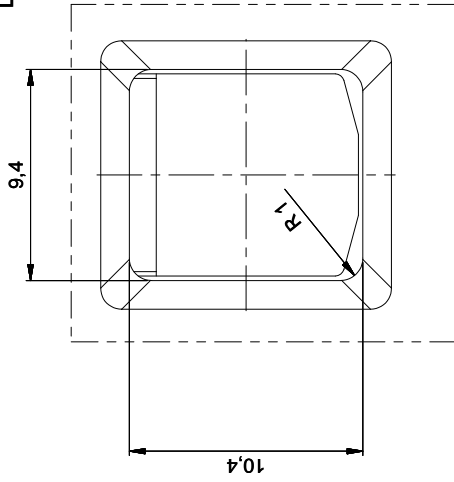


M5:1

M1:1



Detail "Z" (5:1)



Maßstab: 1:1		Umschreibungsanzahl nach DIN 34	
Zeichnungs-Nr.:			
Beib.:	Datum:	Name:	
19.11.17	19.11.17	Reiber	
Gepr.:			
Artikel-Nr.:		1	
Maschine:			



1 Overview

The MCS301 meter can be sealed by different type of sealings:

- PIN Seal
- Plastic seal

1.1 Pin Sealing

Below figure shows the used Pin seal type

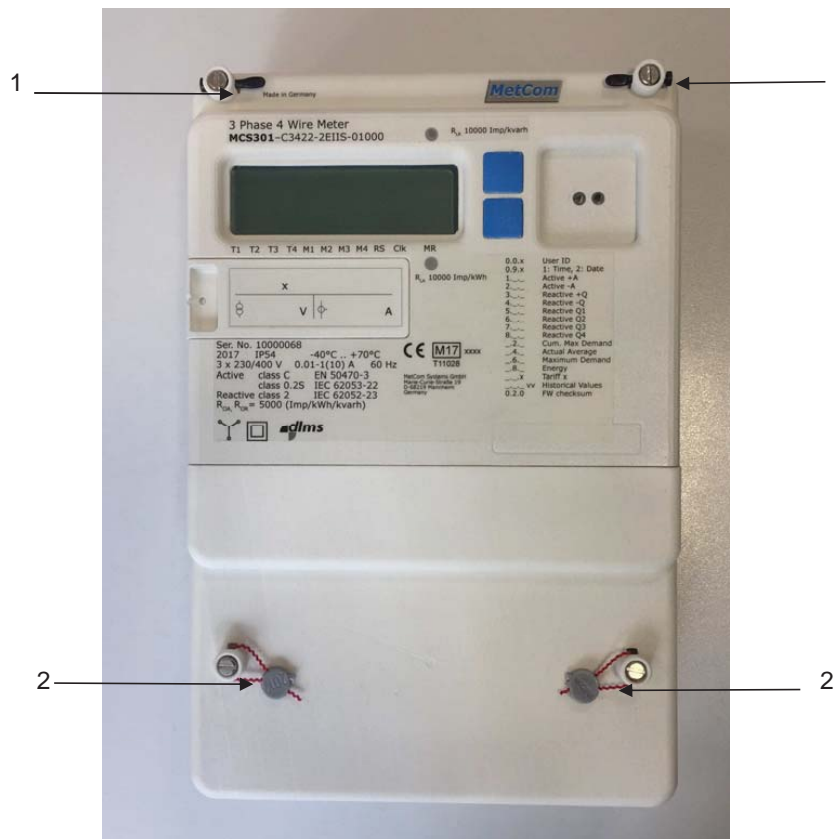
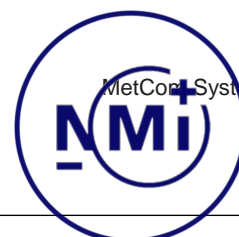


Figure 1: Meter with Certification PIN seal and plastic Utility seal

- 1 - certification seal
- 2 - utility seal



Figure 2: Meter with Certification PIN seal



1.2 Plastic Sealing

Below figure shows the used Plastic seal type

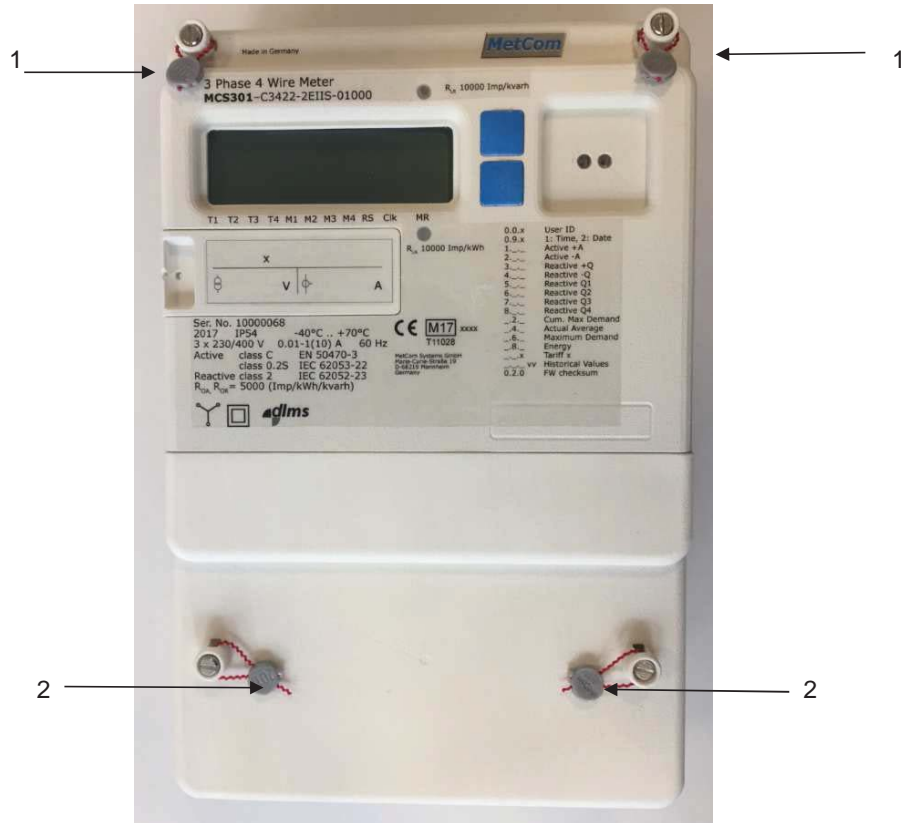


Figure 3: Meter with Certification Plastic seal and Plastic Utility seal

- 1 - certification seal
- 2 - utility seal

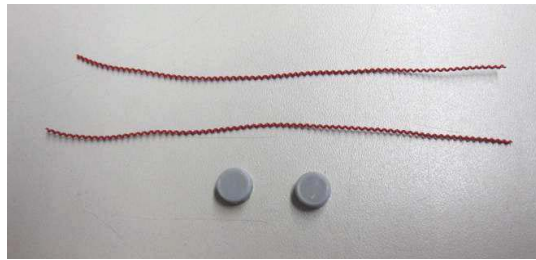
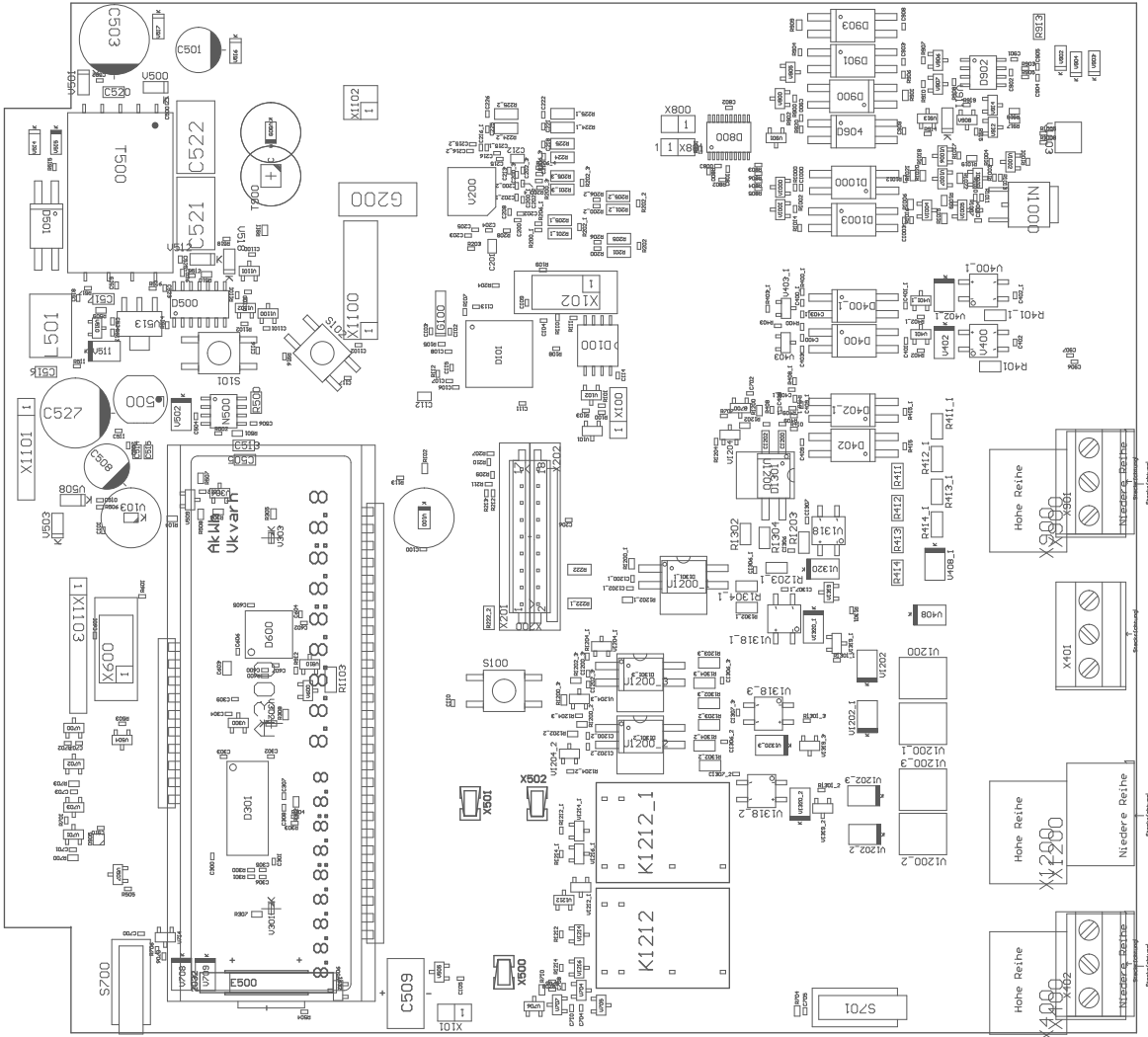


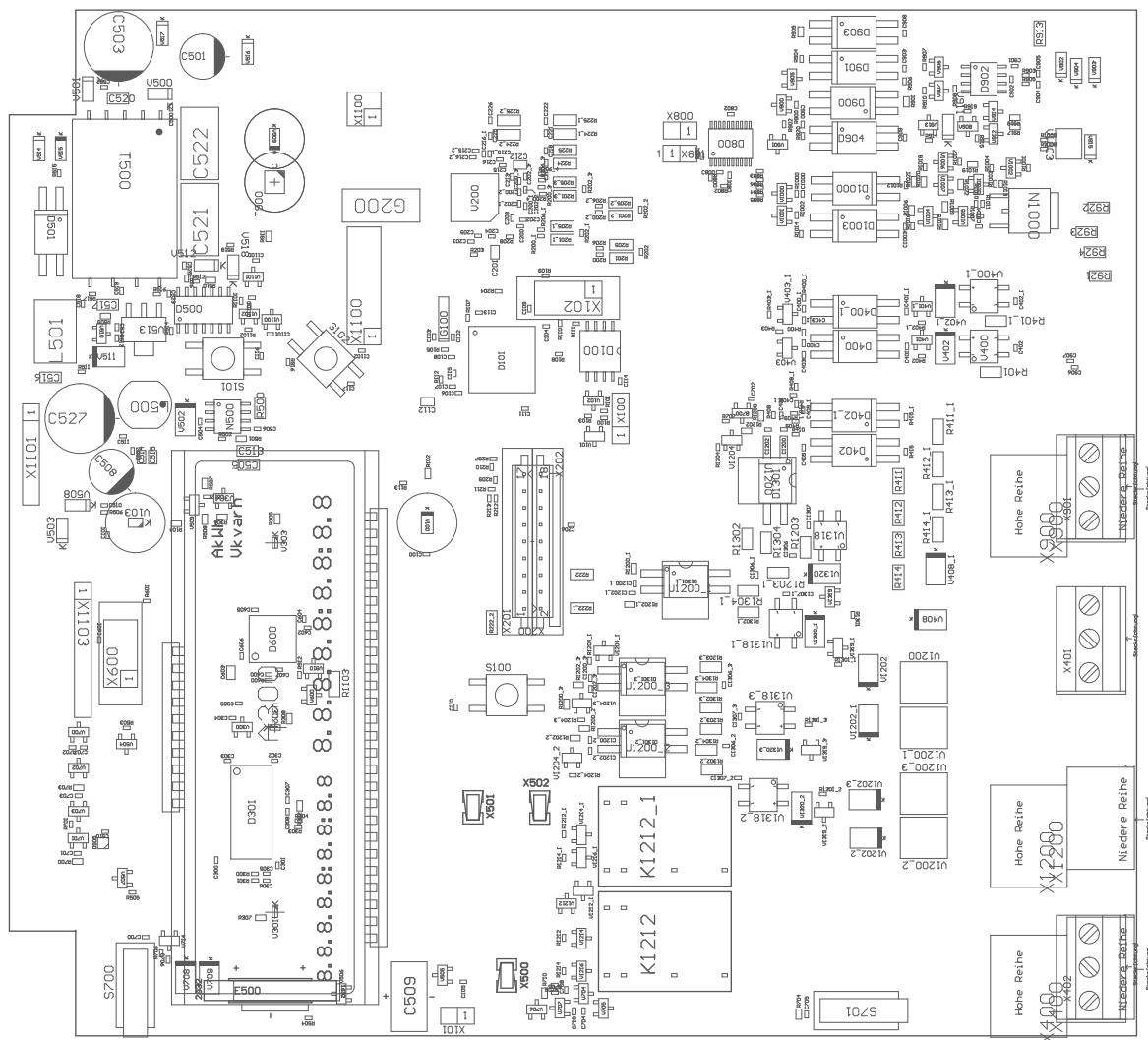
Figure 1: Plastic sealing - standard



Customer:	MetCom	Project Name: MCS301-V1.2.PcbDoc	Variant: [No Variations]
	Systems GmbH	Last Changer: 06.03.2018 BMK Proj. Name: sol637rbi	SCALE: 1.00
		Revision No.: Ver1.1	Date: 06.03.2018 Time: 14:48:25
		BMK PCB No.: 15-7378-1	Checked by: SSchm
		Design Path:	Designed by: SSchm



Assembly Top



Legende



Customer: MetCom Systems GmbH	Project Name: MCS301-V1.3_20180813.PcbDoc	Variant:[No Variations]
	Last Changer 22.11.2018 Revision No.: Ver1.1	BMK Proj. Name: sol637rbi BMK PCB No.: 15-7378-1
	Designed by: SSchm	SCALE: 1.00
	Checked by: SSchm	Date: 22.11.2018 Time: 15:13:17
	Design Path:	



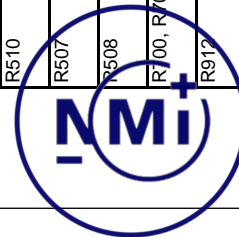
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
A300	1	05-1472	LCD-Display FL9083PA1 - 0- 83.5x31,0x29,7mm THT	Adikom (F)# FT1612009P00 Rev 0 Yebo (F)# FL9083PA1
B700	1	11-7114-1	Hall-Sensor AH180-WG-7 SOT23 SMT -40/+85°C	DIODES (F)# AH180-WG-7
C100, C1004, C101, C104, C105, C106, C109, C110, C1100, C1101, C1102, C111, C113, C114, C115, C116, C117, C203, C204, C205, C206, C208, C213, C304, C307, C308, C309, C402, C402_1, C408, C408_1, C409, C409_1, C500, C502, C506, C507, C510, C511, C518, C523, C601, C602, C604, C605, C606, C607, C700, C702, C704, C707, C708, C901, C910	54	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT	TAIYO YUDEN (F)# UMK105B7104KV-FR Murata (F)# GRM155R71H104KE14D
C1000, C1003, C1200, C1200_1, C1200_2, C1200_3, C1202, C1202_1, C1202_2, C1202_3, C217, C218, C221, C222, C225, C226, C305, C306, C400, C400_1, C401, C401_1, C403, C403_1, C504, C900, C902, C903, C904, C905, C906, C907, C908, C909	34	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT	YAGEO (F)# CC0402JPNPO9BN101 YAGEO (F)# CC0402JRNPO9BN101
C102, C103	2	02-1904-3	CAPC 10pF 5% 50V NPO 0402 SMT	YAGEO (F)# CC0402JRNPO9BN100
C107, C1306, C1306_1, C1306_2, C1306_3, C1307, C1307_1, C1307_2, C1307_3, C200_3, C202_3, C300, C301, C302, C303, D1301, D1301_1, D1301_2, D1301_3, G500, R1018, R108, R109, R110, R111, R1301, R1301_1, R1301_2, R1301_3, R1302, R1302_1, R1302_2, R1302_3, R1304, R1304_1, R1304_2, R1304_3, R200_3, R201_3, R202_3, R204, R205_3, R206_3, R210, R211, R212, R213, R516, R601, R707, R801, TP1, TP100, TP101, TP102, TP103, TP104, TP1100, TP1101, TP1102, TP1200, TP1201, TP1202, TP1203, TP1204, TP1205, TP1206, TP1207, TP1208, TP1209, TP1210, TP1212, TP1213, TP2, TP200, TP201, TP202, TP203, TP204, TP205, TP206, TP207, TP208, TP400, TP401, TP402, TP501, TP502, TP503, TP504, TP505, TP506, TP507, TP508, TP509, TP510, TP511, TP512, TP700, TP701, TP702, TP703, TP704, TP705, TP900, TP901, TP902, V1007, V1318, V1318_1, V1318_2, V1318_3, V1319, V1319_1, V1319_2, V1319_3, V1320, V1320_1, V1320_2, V1320_3, V510, V515, X1100, X1102, C108, C200, C200_1, C200_2, C202, C202_1, C202_2, C215, C215_1, C215_2, C216, C216_1, C216_2, C512, C600	143	n.b.	nicht bestückt	
	15	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT	KEMET (F)# C0402C103K5RAC KEMET (F)# C0402C103K5RACTU YAGEO (V)# 2238 587 15636 YAGEO (F)# CC0402KRX7R9BB103

Einbauplatz	Qty	Teil	Bezeichnung	Hersteller:
C112, C201, C212, C514, C515, C603	6	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT	Murata (F# GRM21BR61E106KA73L YAGEO (F# CC0805KKX5R8BB106 TDK (F# C2012X5R1E106KT
C501, C508	2	32-6002	CAPE 220µF 20% 10V RM2,5 THT 10000h@105°C Z 6,3x11mm	NICHICON (F# ULD1A221MED1CM NICHICON (F# ULD1A221MED1TD
C503, C527	2	32-0441	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm	NIPPON CHEMI (F# EKZE500EC3151MJCS5 NIPPON CHEMI (F# EKZE500ELL151MJCS5 NIPPON CHEMI (F# EKZE500ETD151MJCS5 NIPPON CHEMI (F# EKZM500EC3151MJCS5 NIPPON CHEMI (F# EKZM500ELL151MJCS5 NIPPON CHEMI (F# KZE-VB 150/50 Zeichnung (F# 32-0441 - BT_Spec.doc
C505, C513, C516, C517	4	02-4850	CAPC 10µF 10% 50V X5R 1206 SMT	Murata (F# GRM31CR61H106KA12L
C509	1	02-2247	CAPE 220mF -20%/+80% 5,5V RM5 THT 1000h@70°C 10,5x5,0mm	PANASONIC (F# EEC50HD224V
C519, C524, C525, C701, C703, C705, C706, C710	8	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT	Murata (F# GRMT55R71H102KA01D Murata (F# GRM155R71H102KA01J YAGEO (F# CC0402KRX7R9BB102
C520	1	02-2870	CAPC 1nF 10% 500V X7R 1206 SMT	VISHAY (F# VJ1206Y102KXEAC VISHAY (F# VJ1206Y102KXEAT EPCOS (A# B37872-K3102-K60 SYFER (F# 1206J5000102KXT
C521, C522	2	32-1381	CAPC 4,7nF 20% 500V Y5U Z RM10 THT geschnitten + gesickt	VISHAY (T# YY1472M63Y5UQ63V0 VISHAY (F# YY1472M63Y5UQ6TV0
D100	1	???	Cypress S25FL132K	Cypress S25FL132K
D1000, D1003, D400, D402, D402_1, D501, D900, D901, D903, D904	11	11-8673-1	Optokoppler PC123X1YU0F- 50mA DIP4SMD SMT	SHARP (A# PC123X1YU0F SHARP (F# PC123Y13FP9F SHARP (A# PC123Y1J00F
D1001	1	07-0970	IC TL431BIDBZ -40/+85°C SOT23-3 SMT Spannungsreferenz	TEXAS (F# TL431BIDBZR TEXAS (F# TL431BIDBZRG4 TEXAS (F# TL431BIDBZT TEXAS (F# TL431BIDBZTG4 TEXAS (F# TL431BQDBZR
D101	1	07-1683	IC STM32F051R8T6 -40/+85°C LQFP64 SMT Mikrocontroller	ST (F# STM32F051R8T6 ST (F# STM32F051R8T6TR

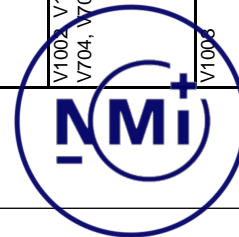
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller:
D301	1	06-3409	IC PCF8545 -40/+85°C □ TSSOP56 SMT LCD Driver	NXP (F)# PCF8545ATT/AJ F = Freigegeben □ T = technische Alternative □ V = Veraltet □ A = Abgekündigt □ G = Gesperrt
D500	1	06-0016	IC SN74HC14 -40/+85°C Inverter □ SO14 SMT	TEXAS (F)# SN74HC14DR □ FAIRCHILD (F)# MM74HC14MX_NL □ Onsemi (F)# MC74HC14ADR2G □ NXP (F)# 74HC14D □ Nexperia (F)# 74HC14D,652
D600	1	07-3929	IC STM32F401CEU6 -40/+85°C □ UFQFPN48 SMT Mikrocontroller	ST (F)# STM32F401CEU6 □ ST (F)# STM32F401CEU6TR
D902	1	06-0351	IC SN75176BD 0/+70°C □ SO8 SMT Bustransceiver	TEXAS (F)# SN75176BDR □ TEXAS (F)# SN75176BDRG4
D905	1	07-3716	IC SL3S4011FK -40/+85°C □ XQFN-8 SMT UCORE IC	NXP (F)# SL3S4011FK,125
E500	1	05-2441-1	Li-Batt. 3V 1g 235mAh -Wh □ 20x3,2mm THT Li-Met	RENATA (T)# CR2032 MFR RV □ RENATA (F)# CR2032 MFR RV-LF □ RENATA (F)# CR2032RV-LF
G100	1	09-2025	CRYS 32,768kHz 12,5pF -ppm □ 7x1,5x1,4mm SMT 20ppm@25°C □ -40/+85°C	SEIKO (F)# SSP-T7-F □ SEIKO (F)# SSP-T7-F#20ppm,12,5pF
G200	1	09-2705	CRYS 16,384MHz 18pF 50ppm □ 11,7x4,8x4,0mm SMT 30ppm@25°C □ -40/+85°C	JAUCH (F)# Q 16,3840-SMU3-18-30/50-T1-LF
K1212, K1212_1	2	04-????	Relais NO 277V 10A 12V □ 20x15x10,2mm THT	Hongfa (T)# HFE7/12-1HST-L2
L500	1	04-1161	COIL 100µH 10% 510mR 570mA □ 5,8x5,8x4,5mm SMT	WURTH eisos (F)# 74477420
L501	1	04-0797	COIL 6,5mH 50% 420mR 600mA □ 9,2x6x5mm SMT	WURTH eisos (F)# 744229
N1000	1	11-2625-1	IC LM317MKT-TR 0/+125°C □ DPAK3 SMT Spannungsregler	ST (F)# LM317MDT-TR □ TEXAS (A)# LM317MKT-TRG3 □ FAIRCHILD (F)# LM317MDTX
N100	1	11-9931	IC MC34063ABD -40/+85°C □ SO8 SMT Schaltregler	ST (F)# MC34063ABD-TR
PCB	1	15-7378-1	PCB MET MCS301 chem:NiAu TG>= □ 130 rigid DK V1.1 1x panel □ sol637b 154,6x170x1,6mm UL	Würth-Rot (F)# □ Würth-Rot (F)# 451251 □ Würth-Rot (F)# 451505
R100, R1000, R1002, R101, R1014, R1016, R1017, R1101, R1102, R200, R200_1, R200_2, R200_4, R206, R206_1, R206_2, R206_4, R300, R301, R304, R400, R400_1, R415, R445, R454, R549, R704, R705, R706, R708, R900	37	01-1911	RES 1K 1% 0,063W 100ppm □ 0402 SMT	VISHAY (F)# CRCW04021K00FKED □ YAGEO (F)# RC0402FR-071KL □ YAGEO (F)# RC0402FR-131KL

Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
R1001, R105, R202, R202_1, R202_2, R207, R209, R514, R517, R805, R806	11	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT	VISHAY (F)# CRCW04020000Z0ED YAGEO (F)# RC0402JR-070RL YAGEO (F)# RC0402JR-130RL
R1003	1	01-3889	RES 270R 1% 0,063W 100ppm 0402 SMT	VISHAY (F)# CRCW0402270RFK ED YAGEO (F)# RC0402FR-07270RL
R1004	1	01-3474	RES 220R 1% 0,063W 100ppm 0402 SMT	VISHAY (F)# CRCW0402220RFKED YAGEO (F)# RC0402FR-07220RL
R1005, R1008, R112, R208, R903, R905	6	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT	VISHAY (F)# CRCW040210R0FKED KOA (F)# RK73H1ETTP10R0F YAGEO (F)# RC0402FR-0710RL
R1006, R1009, R1019, R1020, R1021, R509	6	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RC0603FR-0733KL
R1007	1	01-3455	RES 22K 1% 0,063W 100ppm 0402 SMT	VISHAY (F)# CRCW040222K0FKED KOA (F)# RK73H1ETTP202F YAGEO (F)# RC0402FR-0722K YAGEO (F)# RC0402FR-0722KL
R1010, R1011	2	01-2654	RES 27K 1% 0,063W 100ppm 0402 SMT	YAGEO (F)# RC0402FR-0727KL
R1012, R103, R1100, R203, R502, R512, R906, R908, R914, R915	10	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT	VISHAY (F)# CRCW040210K0FKED YAGEO (F)# RC0402FR-0710KL YAGEO (F)# RC0402FR-1310KL
R1015	1	01-0607	RES 4,7K 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RC0603FR-07 4K7L YAGEO (F)# RC0603FR-074K7L YAGEO (F)# RC0603FR-10 4K7L YAGEO (F)# RC0603FR-13 4K7L
R102, R104, R901, R909, R911	5	01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RC0603FR-07220RL
R1022	1	01-1418	RES 240R 1% 0,1W 100ppm 0603 SMT	VISHAY (F)# CRCW0603240RFKEA KOA (F)# RK73H1JTTD2400F ASJ (F)# CR16-240R-FL YAGEO (F)# RC0603FR-07240RL
R107, R504, R505, R515, R600, R513	6	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT	VISHAY (T)# CRCW0402100RFKED YAGEO (F)# RC0402FR-07100RL YAGEO (F)# RC0402FR-13100RL
R1103, R222, R222_1, R222_2, R411, R411_1, R412, R412_1, R413, R413_1, R414, R414_1, R913	13	01-0663	RES 100K 1% 0,25W 50ppm Minimaleif SMT	VISHAY (F)# SMM02040C1003FB000 VISHAY (F)# SMM02040C1003FB300
R1200, R1200_1, R1200_2, R1200_3, R1202, R1202_1, R1202_2, R1202_3	8	01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RC0603FR-07180RL
R1203, R1203_1, R1203_2, R1203_3	4	01-0160	RES 0R -% 0,25W xppm 1206 SMT	YAGEO (F)# RC1206JR-070RL

Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
R1204, R1204_1, R1204_2, R1204_3, R1212, R1212_1, R1214, R1214_1, R403, R403_1, R503, R506, R916, R919	14	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT	YAGEO (F)# RC0402FR-071ML
R201, R201_1, R201_2, R205, R205_1, R205_2	6	01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT	VISHAY (F)# SMM0204C1509FB300
R224, R224_1, R224_2, R225, R225_1, R225_2	6	01-0675-3	RES 220R 1% 0,25W 50ppm Minimelf SMT	VISHAY (F)# SMM0204C2200FB000
R302, R507	2	01-0960	RES 100K 1% 0,1W 100ppm 0603 SMT	VISHAY (F)# SMM0204C2200FB300
R305, R307, R308	3	01-0947	RES 22R 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-1003-FL ASJ (F)# CR16-1003-FY
R306	1	01-0898	RES 1M 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RC0603FR-07100KL YAGEO (F)# RC0603FR-10100KL
R401, R401_1	2	01-0216	RES 100R 1% 0,25W 100ppm 1206 SMT	ASJ (F)# CR16-1004-FK ASJ (F)# CR16-1004-FL YAGEO (F)# RC0603FR-071ML
R402, R402_1, R408, R408_1, R409, R409_1, R410, R410_1	8	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT	ASJ (F)# CR32-1000-FL YAGEO (F)# RC1206FR-07100RL
R500	1	01-6750	RES 240mR 1% 0,5W 100ppm 1206 SMT	KOA (F)# RK73H1ETTP1003F YAGEO (F)# RC0402FR-07100KL YAGEO (F)# RC0402FR-13100KL
R501, R508	2	01-0885	RES 22K 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RL1206FR-7W0R24L Welwyn (F)# LR1206-R24F
R510	1	xx-xxxx	RES 11K 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-2202-FL YAGEO (F)# RC0603FR-0722KL ???
R507	0	01-1140	RES 82K 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-8202-FL
R508	0	01-1235	RES 27K 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RC0603FR-0727KL
R700, R703, R704, R710	4	01-3661	RES 4,7M 1% 0,063W 100ppm 0603 SMT	ASJ (F)# CR16-4704FL YAGEO (F)# RC0603FR-074M7L
R917	1	01-3517-1	RES 1,8K 1% 0,063W 100ppm 0402 SMT	YAGEO (F)# RC0402FR-071K8L
R917, R918	2	01-0884	RES 560R 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-5600 -FK ASJ (F)# CR16-5600 -FL YAGEO (F)# RC0603FR-07560RL YAGEO (F)# RC0603FR-10560RL



Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
RHB0	1	80-4000	Hilfstoffe SMT Für Kalkulation	
RHB1	1	80-4001	Hilfstoffe THT Für Kalkulation	
RHB2	1	80-4002	Hilfstoffe THT Für Kalkulation	
S100, S101, S102	3	05-3455	Taster 1-fach 180° 2,54mm pitch SMT	ITT (V)# KSC401G 50SH LFS C&K (F)# KSC401G50SH LFS
S700, S701	2	05-8332	Taster 1-fach 180° RM5,08 THT	MULTICOMP (F)# DM1-01P-30-3 Canal Compon (F)# DM1-01P-30-3
T500	1	04-6570	TRAN	Würth Midcom (F)# 750316702 Würth Midcom (F)# 750316702r01
T900	1	08-8742	Fototransistor AA3528P3S 400µA PLCC2 SMT	Kingbright (F)# AA3528P3S
U1200, U1200_1, U1200_2, U1200_3	4	04-6347	Relais 1bd 400V 140mA 5.3kV SMD 6 SMT	VISHAY (F)# VOR1142B6 VISHAY (F)# VOR1142B6T
V100, V103	2	08-1485	LED KP TL-3216SURCK 1-fach rot 1206 SMT 645nm	Kingbright (F)# KP TL-3216SURCK APEX (F)# RY-SP350UHR24
V1000, V1006, V900, V906	4	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT	INFINEON (F)# BCX71HE6327 NXP (F)# BCX71H Nexperia (F)# BCX71H,215
V1001, V1005, V1102, V703, V707, V901, V905, V907, V908, V910, V914	11	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	INFINEON (A)# BSS123 E(L)6327 NXP (F)# 933946340215 NXP (F)# BSS123 NXP (F)# BSS123 T/R NXP (F)# BSS123,215 Nexperia (F)# BSS123,215
V1004, V101, V102, V505, V506, V507, V509, V700, V702, V704, V706, V714	12	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	PHILIPS (V)# BAV199 NXP (F)# 934032640215 NXP (F)# BAV199 NXP (F)# BAV199,215 Nexperia (F)# BAV199,215 Nexperia (F)# BAV199,235
V1008	1	08-0844	DIO P6SMBJ40CA 40V 9.3A bi SMB SMT	VISHAY (F)# SMBJ40 CA SEMIKRON (F)# P6SMBJ40 CA PANJIT (F)# P6SMBJ40CA PANJIT (F)# P6SMBJ40CA_R2_00001 PANJIT (F)# P6SMBJ40CA_R2_10001



Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
V1004, V1101, V300, V401, V401_1	5	08-0180	T BC817-40 NPN 45V 1,5A SOT23 SMT	Onsemi (F)# BC817-40LT1G NXP (F)# BC817-40 NXP (F)# BC817-40,215 Nexperia (F)# BC817-40,215 Nexperia (F)# BC817-40,235
V1100	1	08-0593	T BC807-40 PNP 45V 500mA SOT23 SMT	Onsemi (F)# BC807-40LT1G NXP (F)# BC807-40 NXP (F)# BC807-40,215 Nexperia (F)# BC807-40,215 Nexperia (F)# BC807-40,235
V1200, V1200_1, V1200_2, V1200_3	4	08-8481	DIO SMCJ300CA 300V 3,1A bi DO214AB SMT	LITTELFUSE (F)# SMCJ300CA
V1202, V1202_1, V1202_2, V1202_3	4	08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT Kathodenmarkierung	VISHAY (F)# SMAJ33A-E361 VISHAY (F)# SMAJ33A/11
V1204, V1204_1, V1204_2, V1204_3, V1214, V1214_1, V1216, V1216_1, V304, V403, V403_1	11	08-0653	T 2N7002 N-Kanal 60V 115mA SOT23 SMT	VISHAY (A)# 2N7002-T1-E3 Onsemi (F)# 2N7002LT1G NXP (G)# 2N7002 Nexperia (F)# 2N7002,215
V1212, V1212_1	2	08-1120	DIO BAS40-05 40V 120mA uni SOT23 SMT	NXP (F)# BAS40-05 NXP (F)# BAS40-05,215 Nexperia (F)# BAS40-05,215 Nexperia (F)# BAS40-05,235
V200	1	07-3930	IC ATM90E36A-AU -40/+85°C TQFP48 SMT Energy Metering	Atmel (F)# ATM90E36A-AU-R Atmel (F)# ATM90E36A-AU-Y
V301, V302, V303	3	08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm	OSRAM (F)# LWQ38E-Q100-3K6L-1 OSRAM (F)# LWQ38E-Q1S2-3K6L-1 OSRAM (F)# Q65110A7210
V400, V400_1	2	08-1108-1	GL MB4S 280V 500mA 4,9x3x4,2mm SMT	GS (V)# MB4S-E3/45 GS (V)# MB6S-E3/45 VISHAY (F)# MB4S TO269AA 4p VISHAY (F)# MB4S-E3/45 VISHAY (F)# MB6S-E3/45 PANJIT (F)# B4S_R2_00001 PANJIT (F)# B4S_R2_10001 PANJIT (F)# B6S T/R
V402, V402_1	2	08-1843-1	DIO SMAJ30A 30V 8,3A uni SMA SMT	ST (F)# SMAJ30A-TR
V408, V408_1, V708, V709	4	08-2189	DIO STM 1kV 1A uni DO214AC SMT	VISHAY (F)# STM-E3/5AT VISHAY (F)# STM-E3/61T

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Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
V500, V503, V508, V512, V518, V911	6	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT	VISHAY (F)# LL4150-GS08 VISHAY (F)# LL4150-GS18 VISHAY (F)# LL4150GS08 VISHAY (F)# LL4150GS18
V501	1	08-0678-3	DIO BAV103 200V 500mA uni Minimelf SMT	VISHAY (F)# BAV103-GS08 NXP (F)# BAV103 Nexperia (F)# BAV103,115
V502	1	08-0842-1	DIO ES1D 200V 1A uni SMA SMT	FAIRCHILD (F)# ES1D VISHAY (F)# ES1D-E3/61T
V504, V701, V705, V912, V913	5	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT	INFINEON (A)# BSS84P-E6327 INFINEON (A)# BSS84P-L6327 INFINEON (F)# BSS84PH6327 INFINEON (F)# SP000929186
V511	1	08-1618	DIO MBRA340T3 40V 3A uni SMA SMT	VISHAY (F)# 15MQ040NTRPBF Onsemi (F)# MBRA340T3G IR (V)# 15MQ040NTRPBF
V513	1	08-1434	T BSP296 N-Kanal 100V 1A SOT223 SMT	INFINEON (F)# BSP296 INFINEON (A)# BSP296 L6327 INFINEON (F)# BSP296NH6327XTSA1
V514	1	08-4149	DIOZ TZM39GS08 39V 2,5mA Minimelf SMT	VISHAY (F)# TZM39-GS08 VISHAY (F)# TZM39GS08 VISHAY (F)# ZMM39 Nexperia (F)# BZV55-C39,115
V600	1	08-0621-3	DIO BAV170 60V 125mA uni SOT23 SMT	DIODES (F)# BAV170-7-F NXP (F)# BAV170 NXP (F)# BAV170,215 Nexperia (F)# BAV170,215
V902, V904	2	08-0749	DIOZ TZMC12 12V 39mA Minimelf SMT	VISHAY (F)# TZMC12-GS08
V903	1	08-4505	DIOZ BZV55C6V8 6,8V 250mA Minimelf SMT	NXP (F)# BZV55-C6V8,115 NXP (F)# BZV55C6V8 Nexperia (F)# BZV55-C6V8,115 Nexperia (F)# BZV55-C6V8,135
V909	1	08-8479	IRLED SFH 4059 1-fach 860nm 1,6x3,2x1,8mm SMT A	OSRAM (F)# SFH 4059
WIP	1	18-3442	BMK-Label 6x5mm Polyester weiß 2D-WIP-Label BMK-Standard RT:05-8219	Brady (F)# THT-B727-5X5-LINER Brady (G)# THT-B727-7X7
WZ_01	1	61-5109-1	SMT-Schablone MetCom Systems sol637b	

sol637.00rb1

MCS301-V1.1.3 Mainboard comple

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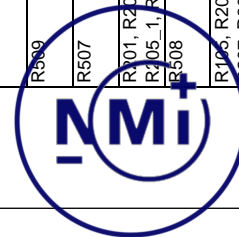
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
WZ_02	1	61-5285	FKT-Testadapter MetCom Systems sol637b	
X100	1	03-0084	SL 3p 180° RM2.54 THT	TOP (F)# SL 1x3p RM2.54
X101	1	03-0088-9	SL 2p 180° RM2.54 THT	WURTH eisos (F)# 613 002 111 21
X102, X600	2	03-0086	SL 2x4p 180° RM2.54 THT	NEXUS (F)# 1520S08B W+P (F)# 944-11.8-008-00/C 3.3 W+P (F)# 944-11.8-008-00/C=3.3 (A/B/C=11.8/6.0/3.3) TOP (F)# P3-01 I 204 116 S1 B G
X1101	1	03-2680	SL 6p 180° RM2.54 THT	ETEC (F)# SL1-006-S105/05-11 ETEC (F)# SL1-006-S105/05-55
X1103	1	03-0451-2	SL 8p 180° RM2.54 THT	RATIOPLAST (F)# 0100225112008
X1200, X400, X900	3	24-2000	KL 2x3p 90° Schraubklemme Blau RM5.08 THT	Conecronics (F)# N508263-0620A
X201, X202	2	n.b.	FFC 9p 180° RM2.54 THT	Conecronics (F)# FPC254901-09100C-A
X401	1	24-1999	KL 3p 90° Schraubklemme Blau RM5.08 THT	Conecronics (F)# N508257-0320A
X500, X501, X502	3	05-4686	Befestigungselement Feder 5x3x4mm SMT	KITAGAWA (F)# OG-503040
X200	1	03-2780	BL 2x9p 180° Buchsenleiste 2.54mm pitch SMT	Conecronics (F)# B254150-180102F-6.60



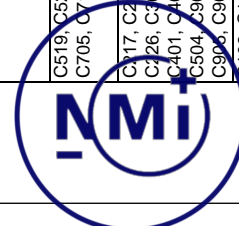
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Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
R401, R401_1, C520	3	01-0216	RES 100R 1% 0,25W 100ppm 1206 SMT	ASJ (F)# CR32-1000-FL YAGEO (F)# RC1206FR-07100RL
R1103, R222, R222_1, R222_2, R913	5	01-0663	RES 100K 1% 0,25W 50ppm Minimelf SMT	VISHAY (F)# SMM02040C1003FB000 VISHAY (F)# SMM02040C1003FB300
R224, R224_1, R224_2, R225, R225_1, R225_2	6	01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT	VISHAY (F)# MMA 0204 50 220R 1% VISHAY (F)# MMA02040C2200FB300 VISHAY (F)# SMM 0204 50 220R 1%
R102, R104, R901, R909, R911	5	01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RC0603FR-07220RL
R917, R918	2	01-0884	RES 560R 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-5600 -FK ASJ (F)# CR16-5600 -FL YAGEO (F)# RC0603FR-07560RL YAGEO (F)# RC0603FR-10560RL
R501, R508	2	01-0885	RES 22K 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-2202-FL YAGEO (F)# RC0603FR-0722KL ???
R510	1	xx-xxxx	RES 11K 1% 0,1W 100ppm 0603 SMT	???
R306	1	01-0898	RES 1M 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-1004-FK ASJ (F)# CR16-1004-FL YAGEO (F)# RC0603FR-071ML
R305, R307, R308	3	01-0947	RES 22R 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-22R0-FL YAGEO (F)# RC0603FR-0722RL YAGEO (F)# RC0603FR-1322RL
R302, R507	2	01-0960	RES 100K 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-1003-FL ASJ (F)# CR16-1003-FY YAGEO (F)# RC0603FR-07100KL YAGEO (F)# RC0603FR-10100KL
R589	1	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RC0603FR-0733KL
R507	0	01-1140	RES 82K 1% 0,1W 100ppm 0603 SMT	ASJ (F)# CR16-8202-FL
R301, R201_1, R201_2, R205, R305_1, R205_2	6	01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT	VISHAY (F)# SMM0204 50 15R 1% B3 e3 VISHAY (F)# SMM02040C1509FB300
R508	0	01-1235	RES 27K 1% 0,1W 100ppm 0603 SMT	YAGEO (F)# RC0603FR-0727KL
R106, R202, R202_1, R202_2, R207, R209, R514, R517, R805, R806	10	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT	VISHAY (F)# CRCW04020000Z0ED YAGEO (F)# RC0402JR-070RL YAGEO (F)# RC0402JR-130RL



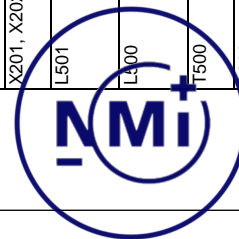
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
R402, R402_1, R408, R408_1	4	01-1905	RES 100K 1% 0.063W 100ppm 0402 SMT	KOA (F)# RK73H1ETTP1003F YAGEO (F)# RC0402FR-07100KL YAGEO (F)# RC0402FR-13100KL
R107, R504, R505, R515, R600, R513	6	01-1906	RES 100R 1% 0.063W 100ppm 0402 SMT	VISHAY (T)# CRCW0402100RFKED YAGEO (F)# RC0402FR-07100RL YAGEO (F)# RC0402FR-13100RL
R1100, R203, R502, R512, R906, R908, R914, R915	8	01-1907	RES 10K 1% 0.063W 100ppm 0402 SMT	VISHAY (F)# CRCW040210K0FKED YAGEO (F)# RC0402FR-0710KL YAGEO (F)# RC0402FR-1310KL
R112, R208, R903, R905	4	01-1908	RES 10R 1% 0.063W 200ppm 0402 SMT	VISHAY (F)# CRCW040210R0FKED KOA (F)# RK73H1ETTP10R0F YAGEO (F)# RC0402FR-0710RL
R1101, R200, R200_1, R200_2, R200_4, R206, R206_1, R206_2, R206_4, R300, R301, R303, R400, R400_1, R511, R701, R702, R705, R708, R900, R902, R904, R907, R910, R920, R518	26	01-1911	RES 1K 1% 0.063W 100ppm 0402 SMT	VISHAY (F)# CRCW04021K00FKED YAGEO (F)# RC0402FR-071KL YAGEO (F)# RC0402FR-131KL
R1102, R403, R403_1, R503, R506, R916, R919	7	01-1927	RES 1M 1% 0.063W 100ppm 0402 SMT	YAGEO (F)# RC0402FR-071ML
R912	1	01-3517-1	RES 1.8K 1% 0.063W 100ppm 0402 SMT	YAGEO (F)# RC0402FR-071K8L
R700, R703, R704, R710	4	01-3661	RES 4.7M 1% 0.063W 100ppm 0603 SMT	ASJ (F)# CR16-4704FL YAGEO (F)# RC0603FR-074M7L
R500	1	01-6750	RES 240mR 1% 0.5W 100ppm 1206 SMT	YAGEO (F)# RL1206FR-7W0R24L Welwyn (F)# LR1206-R24FI
C519, C524, C525, C701, C703, C705, C710	7	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT	Murata (F)# GRM155R71H102KA01D Murata (F)# GRM155R71H102KA01J YAGEO (F)# CC0402KRX7R9BB102
C117, C218, C221, C222, C225, C226, C305, C306, C400, C400_1, C401, C401_1, C403, C403_1, C504, C900, C902, C903, C904, C905, C908, C909	22	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT	YAGEO (F)# CC0402JRNPO9BN101 YAGEO (F)# CC0402JRNPO9BN101
C102, C103	2	02-1904-3	CAPC 10pF 5% 50V NPO 0402 SMT	YAGEO (F)# CC0402JRNPO9BN100



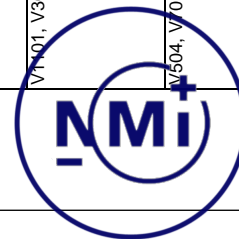
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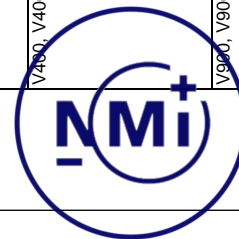
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
C108, C200, C200_1, C200_2, C202, C202_1, C202_2, C215, C215_1, C215_2, C216, C216_1, C216_2, C512, C600	15	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT	KEMET (F)# C0402C103K5RAC KEMET (F)# C0402C103K5RACTU YAGEO (V)# 2238 587 15636 YAGEO (F)# CC0402KRX7R9BB103
C509	1	02-2247	CAPE 220mF -20%+80% 5.5V RM5 THT 1000h@70°C 10,5x5,0mm	PANASONIC (F)# EEC50HD224V
C520	0	02-2870	CAPC 1nF 10% 500V X7R 1206 SMT	VISHAY (F)# VJ1206Y102KXEAC VISHAY (F)# VJ1206Y102KXEAT EPCOS (A)# B37872-K3102-K60 SYFER (F)# 1206J5000102KXT
C100, C101, C104, C105, C106, C109, C110, C1100, C1101, C1102, C111, C113, C114, C115, C116, C117, C203, C204, C205, C206, C208, C213, C304, C307, C308, C309, C402, C402_1, C500, C506, C507, C510, C511, C518, C523, C601, C602, C604, C605, C606, C607, C700, C702, C704, C707, C708, C901, C910	48	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT	TAIYO YUDEN (F)# UMK105B7104KV-FR Murata (F)# GRM155R71H104KE14D
C112, C201, C212, C514, C603	5	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT	Murata (F)# GRM21BR61E106KA73L YAGEO (F)# CC0805KKX5R8BB106 TDK (F)# C2012X5R1E106KT
C505, C513, C516, C517	4	02-4850	CAPC 10µF 10% 50V X5R 1206 SMT	Murata (F)# GRM31CR61H106KA12L
X201, X202	2	n.b.	FFC 9p 180° RM2,54 THT	Conectronics (F)# FPC254901-09100C-A
L501	1	04-0797	COIL 6,5mH 50% 420mR 600mA	WÜRTH eisos (F)# 744229
L400	1	04-1161	9,2x6x5mm SMT COIL 100µH 10% 510mR 570mA	WÜRTH eisos (F)# 74477420
L500	1	04-6570	5,8x5,8x4,5mm SMT TRAN 26,5x15,8x13,5mm SMT	Würth Midcom (F)# 750316702 Würth Midcom (F)# 75031670201
A300	1	05-1472	LCD-Display FL9083PA1 - 0- 83,5x31,0x29,7mm THT	Adkom (F)# FT1612009P00 Rev 0 Yeebo (F)# FL9083PA1



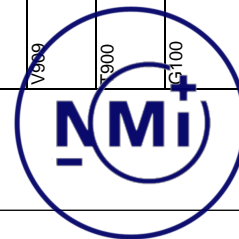
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
E500	1	05-2441-1	Li-Batt. 3V 1g 235mAh -Wh 20x3,2mm THT Li-Met	RENATA (T)# CR2032 MFR RV RENATA (F)# CR2032 MFR RV-LF RENATA (F)# CR2032RV-LF
S100, S101, S102	3	05-3455	Taster 1-fach 180° 2,54mm pitch SMT	ITT (V)# KSC401G 50SH LFS C&K (F)# KSC401G50SH LFS
X500, X501, X502	3	05-4686	Befestigungselement Feder 5x3x4mm SMT	KITAGAWA (F)# OG-503040
S700, S701	2	05-8332	Taster 1-fach 180° RM5,08 THT	MULTICOMP (F)# DM1-01P-30-3 Canal Compon (F)# DM1-01P-30-3
D500	1	06-0016	IC SN74HC14 -40/+85°C Inverter SO14 SMT	TEXAS (F)# SN74HC14DR FAIRCHILD (F)# MM74HC14MX_NL Onsemi (F)# MC74HC14ADR2G NXP (F)# 74HC14D Nexperia (F)# 74HC14D_652
D902	1	06-0351	IC SN75176BD 0/+70°C SO8 SMT Bustransceiver	TEXAS (F)# SN75176BDR TEXAS (F)# SN75176BDRG4
D301	1	06-3409	IC PCF8545 -40/+85°C TSSOP56 SMT LCD Driver	NXP (F)# PCF8545ATT/AJ
D101	1	07-1683	IC STM32F051R8T6 -40/+85°C LQFP64 SMT Mikrocontroller	ST (F)# STM32F051R8T6 ST (F)# STM32F051R8T6TR
D905	1	07-3716	IC SL3S4011FHK -40/+85°C XQFN-8 SMT UCORE iPC	NXP (F)# SL3S4011FHK,125
D600	1	07-3929	IC STM32F401CEU6 -40/+85°C UFQFPN48 SMT Mikrocontroller	ST (F)# STM32F401CEU6 ST (F)# STM32F401CEU6TR
V200	1	07-3930	IC ATM90E36A-AU -40/+85°C TQFP48 SMT Energy Metering	Atmel (F)# ATM90E36A-AU-R Atmel (F)# ATM90E36A-AU-Y
V101, V300, V401, V401_1	4	08-0180	T BC817-40 NPN 45V 1,5A SOT23 SMT	PHILIPS (V)# BC817-40 Onsemi (F)# BC817-40LT1G NXP (F)# BC817-40 NXP (F)# BC817-40,215 Nexperia (F)# BC817-40,215 Nexperia (F)# BC817-40,235
V504, V701, V705, V912, V913	5	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT	INFINEON (A)# BSS84P-E6327 INFINEON (A)# BSS84P-L6327 INFINEON (F)# BSS84PH6327 INFINEON (F)# SP000929186



Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
V1102, V703, V707, V901, V905, V907, V908, V910, V914	9	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	INFINEON (A)# BSS123 E(L)6327 NXP (F)# 933946340215 NXP (F)# BSS123 NXP (F)# BSS123 T/R NXP (F)# BSS123,215 Nexperia (F)# BSS123,215
V1100	1	08-0593	T BC807-40 PNP 45V 500mA SOT23 SMT	Onsemi (F)# BC807-40LT1G NXP (F)# BC807-40 NXP (F)# BC807-40,215 Nexperia (F)# BC807-40,215 Nexperia (F)# BC807-40,235
V600	1	08-0621-3	DIO BAV170 60V 125mA uni SOT23 SMT	DIODES (F)# BAV170-7-F NXP (F)# BAV170 NXP (F)# BAV170,215 Nexperia (F)# BAV170,215
V304, V403, V403_1	3	08-0653	T 2N7002 N-Kanal 60V 115mA SOT23 SMT	VISHAY (A)# 2N7002-T1-E3 Onsemi (F)# 2N7002LT1G NXP (G)# 2N7002 Nexperia (F)# 2N7002,215 VISHAY (F)# TZMTC12-GS08
V902, V904	2	08-0749	DIO TZMTC12 12V 39mA Minimelf SMT	VISHAY (F)# TZMTC12-GS08
V502	1	08-0842-1	DIO ES1D 200V 1A uni SMA SMT	FAIRCHILD (F)# ES1D VISHAY (F)# ES1D-E3/61T
V500, V503, V508, V512, V518, V911	6	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT	VISHAY (F)# LL4150-GS08 VISHAY (F)# LL4150-GS18 VISHAY (F)# LL4150GS08 VISHAY (F)# LL4150GS18
V490, V400_1	2	08-1108-1	GL MB4S 280V 500mA 4,9x3x4,2mm SMT	GS (V)# MB4S-E3/45 GS (V)# MB6S-E3/45 VISHAY (F)# MB4S TO269AA 4p VISHAY (F)# MB4S-E3/45 VISHAY (F)# MB6S-E3/45 PANJIT (F)# B4S_R2_00001 PANJIT (F)# B4S_R2_10001 PANJIT (F)# B6S T/R
V904, V906	2	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT	INFINEON (F)# BCX71HE6327 NXP (F)# BCX71H Nexperia (F)# BCX71H,215



Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
V513	1	08-1434	T BSP296 N-Kanal 100V 1A SOT23 SMT	INFINEON (F)# BSP296 INFINEON (A)# BSP296 L6327 INFINEON (F)# BSP296NH6327XTSA1
V100, V103	2	08-1485	LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm	Kingbright (F)# KPTL-3216SURCK APEX (F)# RY-SP350UHR24
V505, V506, V507, V509, V700, V702, V704, V706	8	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	PHILIPS (V)# BAV199 NXP (F)# 934032640215 NXP (F)# BAV199 NXP (F)# BAV199,215 Nexperia (F)# BAV199,215 Nexperia (F)# BAV199,235
V511	1	08-1618	DIO MBRA340T3 40V 3A uni SMA SMT	VISHAY (F)# 15MQ040NTRPBF Onsemi (F)# MBRA340T3G IR (V)# 15MQ040NTRPBF ST (F)# SMAJ30A-TR
V402, V402_1	2	08-1843-1	DIO SMAJ30A 30V 8,3A uni SMA SMT	
V903	1	08-4505	DIOZ BZV55C6V8 6.8V 250mA Minimelf SMT	NXP (F)# BZV55-C6V8,115 NXP (F)# BZV55C6V8 Nexperia (F)# BZV55-C6V8,115 Nexperia (F)# BZV55-C6V8,135
V301, V302, V303	3	08-5723	LED LWQ38E-Q1S2-3K6L-1 1- fach 0603 SMT weiss -nm	OSRAM (F)# LWQ38E-Q100-3K6L-1 OSRAM (F)# LWQ38E-Q1S2-3K6L-1 OSRAM (F)# Q65110A7210
V515	1	08-7845	DIOZ BZV55-C3V9,115 3,9V 3µA SOD80 SMT	NXP (F)# BZV55-C3V9,115 Nexperia (F)# BZV55-C3V9,115
V999	1	08-8479	IRLED SFH 4059 1-fach 860nm 1,6x3,2x1,8mm SMT - A	OSRAM (F)# SFH 4059
V900	1	08-8742	Fototransistor AA3528P3S 400µA PLCC2 SMT	Kingbright (F)# AA3528P3S
G100	1	09-2025	CRY5 32,768kHz 12,5pF -ppm 7x1,5x1,4mm SMT 20ppm@25°C -40/+85°C	SEIKO (F)# SSP-T7-F SEIKO (F)# SSP-T7-F#20ppm, 12,5pF



Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
G200	1	09-2705	CRYS 16.384MHz 18pF 50ppm 11,7x4,8x4,0mm SMT 30ppm@25°C -40/+85°C	JAUICH (F)# Q 16.3840-SMU3-18-30/50-T1-LF
D100	1	????	Cypress S25FL132K	Cypress S25FL132K
B700	1	11-7114-1	Hall-Sensor AH180-WG-7 SOT23 SMT -40/+85°C	DIODES (F)# AH180-WG-7
D400, D400_1, D501, D900, D901, D903, D904	7	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	SHARP (A)# PC123X1YUP0F SHARP (F)# PC123Y13FP9F SHARP (A)# PC123Y1J00F ST (F)# MC34063ABD-TR
N500	1	11-9931	IC MC34063ABD -40/+85°C SO8 SMT Schaltregler	
PCB	1	15-7378-1	PCB MET MCS301 chem.NIAu TG>=	Würth-Rot (F)# Würth-Rot (F)# 451251 Würth-Rot (F)# 451505
WIP	1	18-3442	BMK-Label 7x7mm Polyester weiß 2D-WIP-Label BMK-Standard RT:05-7263 mit Klartext siehe Text/Bild	Brady (F)# THT-B7Z7-7X7
X402, X901	2	24-1999	KL 3p 90° Schraubklemme Blau RM5,08 THT	Conectronics (F)# N508257-0320A
C527	1	32-0441	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm	NIPPON CHEMI (F)# EKZE500EC3151MJC5S NIPPON CHEMI (F)# EKZE500ELL151MJC5S NIPPON CHEMI (F)# EKZE500ETD151MJC5S NIPPON CHEMI (F)# EKZM500EC3151MJC5S NIPPON CHEMI (F)# EKZM500ELL151MJC5S Zeichnung (F)# 32-0441 - BT_Spec.doc
C321, C522	2	32-1381	CAPC 4.7nF 20% 500V Y5U Z RM10 THT geschnitten + gesickt	VISHAY (T)# VY1472M63Y5UQ63V0 VISHAY (F)# VY1472M63Y5UQ6TV0
C501, C508	2	32-6002	CAPE 220µF 20% 10V RM2.5 THT 10000h@105°C Z 6,3x11mm	NICHICON (F)# ULD1A221MED1CM NICHICON (F)# ULD1A221MED1TD

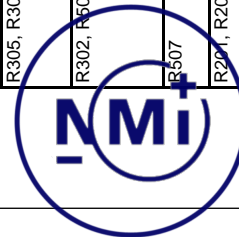
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
WZ_01	1	61-5109-1	SMT-Schablone MetCom Systems sol637b	
RHB0	1	80-4000	Hilfsstoffe SMT Für Kalkulation	
RHB1	1	80-4001	Hilfsstoffe THT Für Kalkulation	
RHB2	1	80-4002	Hilfsstoffe THT Für Kalkulation	
X200	1	03-2780	BL 2x9p 180° Buchsenleiste 2,54mm pitch SMT	Conelectronics (F)# B254150-180102F-6.60



Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
C1000, C1003, C1004, C107, C1200, C1200_1, C1200_2, C1200_3, C1202, C1202_1, C1202_2, C1202_3, C1306, C1306_1, C1306_2, C1306_3, C1307, C1307_1, C1307_2, C1307_3, C200_3, C202_3, C300, C301, C302, C303, C408, C408_1, C409, C409_1, C502, C503, C515, C706, C800, C801, C802, C906, C907, D1000, D1001, D1003, D1301, D1301_1, D1301_2, D1301_3, D402, D402_1, D800, G500, K1212, K1212_1, N1000, R100, R1000, R1001, R1002, R1003, R1004, R1005, R1006, R1007, R1008, R1009, R101, R1010, R1011, R1012, R1014, R1015, R1016, R1017, R1018, R1019, R1020, R1021, R1022, R103, R108, R109, R110, R111, R113, R1200, R1200_1, R1200_2, R1200_3, R1202, R1202_1, R1202_2, R1202_3, R1203, R1203_1, R1203_2, R1203_3, R1204, R1204_1, R1204_2, R1204_3, R1212, R1212_1, R1214, R1214_1, R1301, R1301_1, R1301_2, R1301_3, R1302, R1304, R1304_1, R1304_2, R1304_3, R200_3, R201_3, R202_3, R204, R205_3, R206_3, R210, R211, R212, R213, R304, R409, R409_1, R410, R410_1, R411, R411_1, R412, R412_1, R413, R413_1, R414, R414_1, R415,	274	n.b.	nicht bestückt	



Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
R401	1	01-0216	RES 100R 1% 0,25W 100ppm 1206 SMT	ASJ (F# CR32-1000-FL) YAGEO (F# RC1206FR-07100RL YAGEO (F# RC0603FR-0733KL
R1006, R1009, R1019, R1020, R1021, R509	6	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT	YAGEO (F# RC0603FR-074K7L YAGEO (F# RC0603FR-10 4K7L YAGEO (F# RC0603FR-13 4K7L
R1015	1	01-0607	RES 4,7K 1% 0,1W 100ppm 0603 SMT	YAGEO (F# RC0603FR-07 4K7L YAGEO (F# RC0603FR-10 4K7L YAGEO (F# RC0603FR-13 4K7L
R1103, R222, R222_1, R222_2, R913	5	01-0663	RES 100K 1% 0,25W 50ppm Minimelf SMT	VISHAY (F# SMM02040C1003FB000 VISHAY (F# SMM02040C1003FB300
R224, R224_1, R224_2, R225, R225_1, R225_2	6	01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT	VISHAY (F# MMA 0204 50 220R 1% VISHAY (F# MMA02040C2200FB300 VISHAY (F# SMM 0204 50 220R 1% YAGEO (F# RC0603FR-07220RL
R102, R104, R901, R909, R911	5	01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT	YAGEO (F# RC0603FR-07220RL
R917, R918	2	01-0884	RES 560R 1% 0,1W 100ppm 0603 SMT	ASJ (F# CR16-5600 -FK ASJ (F# CR16-5600 -FL YAGEO (F# RC0603FR-07560RL YAGEO (F# RC0603FR-10560RL
R501, R508	2	01-0885	RES 22K 1% 0,1W 100ppm 0603 SMT	ASJ (F# CR16-2202-FL YAGEO (F# RC0603FR-0722KL ???
R510	1	xx-xxxx	RES 11K 1% 0,1W 100ppm 0603 SMT	
R306	1	01-0898	RES 1M 1% 0,1W 100ppm 0603 SMT	ASJ (F# CR16-1004-FK ASJ (F# CR16-1004-FL YAGEO (F# RC0603FR-071ML
R305, R307, R308	3	01-0947	RES 22R 1% 0,1W 100ppm 0603 SMT	ASJ (F# CR16-22R0-FL YAGEO (F# RC0603FR-0722RL YAGEO (F# RC0603FR-1322RL
R302, R507	2	01-0960	RES 100K 1% 0,1W 100ppm 0603 SMT	ASJ (F# CR16-1003-FL ASJ (F# CR16-1003-FY YAGEO (F# RC0603FR-07100KL YAGEO (F# RC0603FR-10100KL ASJ (F# CR16-8202-FL
R507	0	01-1140	RES 82K 1% 0,1W 100ppm 0603 SMT	ASJ (F# CR16-8202-FL
R201, R201_1, R201_2, R205, R205_1, R205_2	6	01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT	VISHAY (F# SMM0204 50 15R 1% B3 e3 VISHAY (F# SMM02040C1509FB300
R508	0	01-1235	RES 27K 1% 0,1W 100ppm 0603 SMT	YAGEO (F# RC0603FR-0727KL



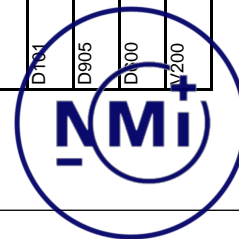
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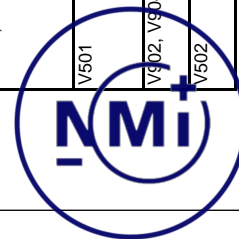
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
R1022	1	01-1418	RES 240R 1% 0,1W 100ppm 0603 SMT	VISHAY (F# CRCW0603240RFKEA KOA (F# RK73H1JTTD2400F ASJ (F# CR16-240R-FL YAGEO (F# RC0603FR-07240RL
R1001, R105, R202, R202_1, R202_2, R207, R209, R514, R517, R805, R806	11	01-1890	RES OR x% 0,063W 200ppm 0402 SMT	VISHAY (F# CRCW0402000Z0ED YAGEO (F# RC0402JR-070RL YAGEO (F# RC0402JR-130RL
R402, R408, R408_1	3	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT	KOA (F# RK73H1ETTP1003F YAGEO (F# RC0402FR-07100KL YAGEO (F# RC0402FR-13100KL
R107, R504, R505, R515, R600, R513	6	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT	VISHAY (T# CRCW0402100RFKED YAGEO (F# RC0402FR-07100RL YAGEO (F# RC0402FR-13100RL
R1012, R1100, R203, R502, R512, R906, R908, R914, R915	9	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT	VISHAY (F# CRCW040210K0FKED YAGEO (F# RC0402FR-0710KL YAGEO (F# RC0402FR-1310KL
R1005, R1008, R112, R208, R903, R905	6	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT	VISHAY (F# CRCW040210R0FKED KOA (F# RK73H1ETTP10R0F YAGEO (F# RC0402FR-0710RL
R1000, R1002, R1014, R1016, R1017, R1101, R200, R200_1, R200_2, R200_4, R206, R206_1, R206_2, R206_4, R300, R301, R303, R400, R511, R518, R701, R702, R705, R708, R900, R902, R904, R907, R910, R920	30	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT	VISHAY (F# CRCW04021K00FKED YAGEO (F# RC0402FR-071KL YAGEO (F# RC0402FR-131KL
R1102, R1212, R1214, R403, R503, R506, R916, R919	8	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT	YAGEO (F# RC0402FR-071ML
R1010, R1011	2	01-2654	RES 27K 1% 0,063W 100ppm 0402 SMT	YAGEO (F# RC0402FR-0727KL
R1007	1	01-3455	RES 22K 1% 0,063W 100ppm 0402 SMT	VISHAY (F# CRCW040222K0FKED KOA (F# RK73H1ETTP2202F YAGEO (F# RC0402FR-0722K YAGEO (F# RC0402FR-0722KL
R1004	1	01-3474	RES 220R 1% 0,063W 100ppm 0402 SMT	VISHAY (F# CRCW0402220RFKED YAGEO (F# RC0402FR-07220RL YAGEO (F# RC0402FR-071K8L
R912	1	01-3517-1	RES 1,8K 1% 0,063W 100ppm 0402 SMT	YAGEO (F# RC0402FR-071K8L
R700, R703, R704, R710	4	01-3661	RES 4,7M 1% 0,063W 100ppm 0603 SMT	ASJ (F# CR16-4704FL YAGEO (F# RC0603FR-074M7L
R1003	1	01-3889	RES 270R 1% 0,063W 100ppm 0402 SMT	VISHAY (F# CRCW0402270RFK ED YAGEO (F# RC0402FR-07270RL

Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
R500	1	01-6750	RES 240mR 1% 0.5W 100ppm 1206 SMT	Wahyn (F)# LR1206-R24F1
C519, C524, C525, C701, C703, C705, C710	7	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT	Murata (F)# GRM155R71H102KA01D Murata (F)# GRM155R71H102KA01J
C1000, C1003, C217, C218, C221, C222, C225, C226, C305, C306, C400, C401, C403, C504, C900, C902, C903, C904, C905, C906, C907, C908, C909	23	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT	YAGEO (F)# CC0402JPNP09BN101 YAGEO (F)# CC0402JRNPO9BN101
C102, C103	2	02-1904-3	CAPC 10pF 5% 50V NPO 0402 SMT	YAGEO (F)# CC0402JRNPO9BN100
C108, C200, C200_1, C200_2, C202, C202_1, C202_2, C215, C215_1, C215_2, C216, C216_1, C216_2, C512, C600	15	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT	KEMET (F)# C0402C103K5RAC KEMET (F)# C0402C103K5RACTU YAGEO (V)# 2238 587 15636 YAGEO (F)# CC0402KRX7R9BB103
C509	1	02-2247	CAPE 220mF -20%/+80% 5.5V RM5 THT 10.5x5.0mm	PANASONIC (F)# EEC50HD224V
C520	1	02-2870	CAPC 1nF 10% 500V X7R 1206 SMT	VISHAY (F)# VJ1206Y102KXEAC VISHAY (F)# VJ1206Y102KXEAT EPCOS (A)# B37872-K3102-K60 SYFER (F)# 1206J50000102KXT
C100, C1004, C101, C104, C105, C106, C109, C110, C1100, C1101, C1102, C111, C113, C114, C115, C116, C117, C203, C204, C205, C206, C208, C213, C304, C307, C308, C309, C402, C500, C502, C506, C507, C510, C511, C518, C523, C601, C602, C604, C605, C606, C607, C700, C702, C704, C707, C708, C901, C910	49	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT	TAIYO YUDEN (F)# UMK105B7104KV-FR Murata (F)# GRM155R71H104KE14D
C112, C201, C212, C514, C603	5	02-4679	CAPC 10uF 10% 25V X5R 0805 SMT	Murata (F)# GRM21BR61E106KA73L YAGEO (F)# CC0805KKX5R8BB106 TDK (F)# C2012X5R1E106KT
C505, C513, C516, C517	4	02-4850	CAPC 10uF 10% 50V X5R 1206 SMT	Murata (F)# GRM31CR61H106KA12L
X301, X202	2	03-0833	FFC 9p 180° RM2, S4 THT	Conectronics (F)# FPC254901-09100C-A
L501	1	04-0797	COIL 6.5mH 50% 420mR 600mA 9.2x6x5mm SMT	WURTH eisos (F)# 744229
L500	1	04-1161	COIL 100uH 10% 510mR 570mA 5.8x5.8x4.5mm SMT	WURTH eisos (F)# 74477420
K1212	1	04-5187-1	Relais NO 277V 10A 12V 20x15x10.2mm THT	Hongfa (F)# HFE712-1HST-L2

Einbauplatz	Qty	Teil	Bezeichnung	Hersteller:
T500	1	04-6570	TRAN <input type="checkbox"/> 26,5x15,8x13,5mm SMT	Würth Midcom (F)# 750316702 <input type="checkbox"/> Würth Midcom (F)# 750316702R01
A300	1	05-1472	LCD-Display FL9083PA1 - 0- <input type="checkbox"/> 83,5x31,0x29,7mm THT	Adkom (F)# FT161209P00 Rev 0 <input type="checkbox"/> Yeabo (F)# FL9083PA1
E500	1	05-2441-1	Li-Batt. 3V /ig 235mAh -Wh <input type="checkbox"/> 20x3,2mm THT Li-Met	RENATA (T)# CR2032 MFR RV <input type="checkbox"/> RENATA (F)# CR2032 MFR RV-LF <input type="checkbox"/> RENATA (F)# CR2032RV-LF
S100, S101, S102	3	05-3455	Taster 1-fach 180° <input type="checkbox"/> 2,54mm pitch SMT	ITT (V)# KSC401G 50SH LFS <input type="checkbox"/> ITT (V)# KSC401G50SH LFS
X500, X501, X502	3	05-4686	Befestigungselement Feder <input type="checkbox"/> 5x3x4mm SMT	C&K (F)# KSC401G50SH LFS KITAGAWA (F)# OG-503040
S700, S701	2	05-8332	Taster 1-fach 180° <input type="checkbox"/>	MULTICOMP (F)# DM1-01P-30-3 <input type="checkbox"/> Canal Compon (F)# DM1-01P-30-3
D500	1	06-0016	RM5,08 THT IC SN74HC14 -40/+85°C Inverter <input type="checkbox"/> SO14 SMT	TEXAS (F)# SN74HC14DR <input type="checkbox"/> FAIRCHILD (F)# MM74HC14MX_NL <input type="checkbox"/> Onsemi (F)# MC74HC14ADR2G <input type="checkbox"/> NXP (F)# 74HC14D <input type="checkbox"/> Nexperia (F)# 74HC14D.652
D902	1	06-0351	IC SN75176BD 0/+70°C <input type="checkbox"/>	TEXAS (F)# SN75176BDR <input type="checkbox"/> TEXAS (F)# SN75176BDRG4
D301	1	06-3409	SO8 SMT Bustransceiver IC PCF8545 -40/+85°C <input type="checkbox"/>	TEXAS (F)# SN75176BDRG4 NXP (F)# PCF8545A TT/AJ
D1001	1	07-0970	TSSOP56 SMT LCD Driver IC TL431BIDBZ -40/+85°C <input type="checkbox"/> SOT23-3 SMT Spannungsreferenz <input type="checkbox"/>	TEXAS (F)# TL431BIDBZR <input type="checkbox"/> TEXAS (F)# TL431BIDBZRG4 <input type="checkbox"/> TEXAS (F)# TL431BIDBZT <input type="checkbox"/> TEXAS (F)# TL431BIDBZTG4 <input type="checkbox"/> TEXAS (F)# TL431BQDBZR
D101	1	07-1683	IC STM32F051R8T6 -40/+85°C <input type="checkbox"/>	ST (F)# STM32F051R8T6 <input type="checkbox"/> ST (F)# STM32F051R8T6TR
D905	1	07-3716	LQFP64 SMT Mikrocontroller IC SL3S4011FHK -40/+85°C <input type="checkbox"/>	NXP (F)# SL3S4011FHK.125
D100	1	07-3929	XQFN-8 SMT UCODE IC IC STM32F401CEU6 -40/+85°C <input type="checkbox"/>	ST (F)# STM32F401CEU6 <input type="checkbox"/> ST (F)# STM32F401CEU6TR
V200	1	07-3930	UFQFPN48 SMT Mikrocontroller IC ATM90E36A-AU -40/+85°C <input type="checkbox"/> TQFP48 SMT Energy Metering	Atmel (F)# ATM90E36A-AU-R <input type="checkbox"/> Atmel (F)# ATM90E36A-AU-Y

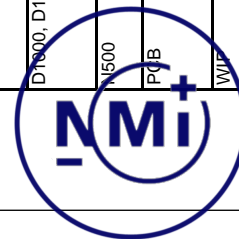


Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = Technische Alternative V = Veraltet A = Abgekündigt G = Gespart
V1004, V1101, V300, V401	4	08-0180	T BC817-40 NPN 45V 1,5A SOT23 SMT	PHILIPS (V)# BC817-40 Onsemi (F)# BC817-40LT1G NXP (F)# BC817-40 NXP (F)# BC817-40,215 Nexperia (F)# BC817-40,215 Nexperia (F)# BC817-40,235
V504, V701, V705, V912, V913	5	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT	INFINEON (A)# BSS84P-E6327 INFINEON (A)# BSS84P-L6327 INFINEON (F)# BSS84PH6327 INFINEON (F)# SP000929186
V1001, V1005, V1102, V703, V707, V901, V905, V907, V908, V910, V914	11	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	INFINEON (A)# BSS123 E(L)6327 NXP (F)# 933946340215 NXP (F)# BSS123 NXP (F)# BSS123 T/R NXP (F)# BSS123,215 Nexperia (F)# BSS123,215
V1100	1	08-0593	T BC807-40 PNP 45V 500mA SOT23 SMT	Onsemi (F)# BC807-40LT1G NXP (F)# BC807-40 NXP (F)# BC807-40,215 Nexperia (F)# BC807-40,215 Nexperia (F)# BC807-40,235
V600	1	08-0621-3	DIO BAV170 60V 125mA uni SOT23 SMT	DIODES (F)# BAV170-7-F NXP (F)# BAV170 NXP (F)# BAV170,215 Nexperia (F)# BAV170,215
V1214, V1216, V304, V403	4	08-0653	T 2N7002 N-Kanal 60V 115mA SOT23 SMT	VISHAY (A)# 2N7002-T1-E3 Onsemi (F)# 2N7002LT1G NXP (G)# 2N7002 Nexperia (F)# 2N7002,215
V501	1	08-0678-3	DIO BAV103 200V 500mA uni Minimell SMT	VISHAY (F)# BAV103-GS08 NXP (F)# BAV103 Nexperia (F)# BAV103,115
V902, V904	2	08-0749	DIO TZMC12 12V 39mA Minimell SMT	VISHAY (F)# TZMC12-GS08
V502	1	08-0842-1	DIO ES1D 200V 1A uni SMA SMT	FAIRCHILD (F)# ES1D VISHAY (F)# ES1D-E3/61T



Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
V1003	1	08-0844	DIO P6SMBJ40CA 40V 9,3A bi SMB SMT	SEMİKRON (F)# P6SMBJ40 CA PANJIT (F)# P6SMBJ40CA PANJIT (F)# P6SMBJ40CA_R2_00001 PANJIT (F)# P6SMBJ40CA_R2_10001
V500, V503, V508, V512, V518, V911	6	08-1107	DIO LL4150GS08 50V 600mA uni Minimell SMT	VISHAY (F)# LL4150-GS08 VISHAY (F)# LL4150-GS18 VISHAY (F)# LL4150GS08 VISHAY (F)# LL4150GS18
V400	1	08-1108-1	GL MB4S 280V 500mA 4,9x3x4,2mm SMT	GS (V)# MB4S-E3/45 GS (V)# MB6S-E3/45 VISHAY (F)# MB4S TO269AA 4p VISHAY (F)# MB4S-E3/45 VISHAY (F)# MB6S-E3/45 PANJIT (F)# B4S_R2_00001 PANJIT (F)# B4S_R2_10001 PANJIT (F)# B6S T/R
V1212	1	08-1120	DIO BAS40-05 40V 120mA uni SOT23 SMT	NXP (F)# BAS40-05 NXP (F)# BAS40-05,215 Nexperia (F)# BAS40-05,215 Nexperia (F)# BAS40-05,235
V1000, V1006, V900, V906	4	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT	INFINEON (F)# BCX71HE6327 NXP (F)# BCX71H Nexperia (F)# BCX71H,215
V513	1	08-1434	T BSP296 N-Kanal 100V 1A SOT223 SMT	INFINEON (F)# BSP296 INFINEON (A)# BSP296 L6327 INFINEON (F)# BSP296NH6327XTSA1
V190, V103	2	08-1485	LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm	Kingbright (F)# KPTL-3216SURCK APEX (F)# RY-SP350UHR24
V1002, V505, V506, V507, V509, V700, V702, V704, V706	9	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	PHILIPS (V)# BAV199 NXP (F)# 934032640215 NXP (F)# BAV199 NXP (F)# BAV199,215 Nexperia (F)# BAV199,215 Nexperia (F)# BAV199,235
V511	1	08-1618	DIO MBRA340T3 40V 3A uni SMA SMT	VISHAY (F)# 15MQ040NTRPBF Onsemi (F)# MBRA340T3G IR (V)# 15MQ040NTRPBF
V402	1	08-1843-1	DIO SMAJ30A 30V 8,3A uni SMA SMT	ST (F)# SMAJ30A-TR

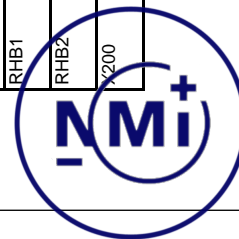
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
V514	1	08-4149	DIO2 TZMC39GS08 39V 2,5mA Minimellf SMT	VISHAY (F)# TZMC39-GS08 VISHAY (F)# TZMC39GS08 VISHAY (F)# ZMM39 Nexperia (F)# BZV55-C39,115 NXP (F)# BZV55-C6V8,115 NXP (F)# BZV55C6V8 Nexperia (F)# BZV55-C6V8,115 Nexperia (F)# BZV55-C6V8,135
V903	1	08-4505	DIO2 BZV55C6V8 6,8V 250mA Minimellf SMT	NXP (F)# BZV55-C6V8,115 NXP (F)# BZV55C6V8 Nexperia (F)# BZV55-C6V8,115 Nexperia (F)# BZV55-C6V8,135
V301, V302, V303	3	08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm	OSRAM (F)# LWQ38E-Q100-3K6L-1 OSRAM (F)# LWQ38E-Q1S2-3K6L-1 OSRAM (F)# Q65110A7210 OSRAM (F)# SFH 4059
V909	1	08-8479	IRLED SFH 4059 1-fach 860nm 1,6x3,2x1,8mm SMT A	Kingbright (F)# AA3528P3S
T900	1	08-8742	Fototransistor AA3528P3S 400µA PLCC2 SMT	Kingbright (F)# AA3528P3S
G100	1	09-2025	CRYS 32,768kHz 12,5pF -ppm 7x1,5x1,4mm SMT 20ppm@25°C -40/+85°C	SEIKO (F)# SSP-T7-F SEIKO (F)# SSP-T7-F#20ppm,12,5pF
G200	1	09-2705	CRYS 16,384MHz 18pF 50ppm 11,7x4,8x4,0mm SMT 30ppm@25°C -40/+85°C	JAUCH (F)# Q 16,3840-SMU3-18-30/50-T1-LF
D100	1	????	Cypress S25FL132K	Cypress S25FL132K
N1000	1	11-2625-1	IC LM317MKTTPR 0/+125°C DPAK3 SMT Spannungsregler	ST (F)# LM317MDT-TR TEXAS (A)# LM317MKTTPRG3 FAIRCHILD (F)# LM317MDTX
B700	1	11-7114-1	Hall-Sensor AH180-WG-7 SOT23 SMT -40/+85°C	DIODES (F)# AH180-WG-7
D1900, D1003, D400, D501, D900, D901, D903, D904	8	11-8673-1	Optokoppler PC123XYUPDF 50mA DIP4SMD SMT	SHARP (A)# PC123X1YUP0F SHARP (F)# PC123Y13FP9F SHARP (A)# PC123Y1J00F ST (F)# MC34063ABD-TR
V500	1	11-9931	IC MC34063ABD -40/+85°C SO8 SMT Schaltregler	ST (F)# MC34063ABD-TR
P0B	1	15-7378-1	PCB MET MCS301 chem. NIAU TG=<input type="checkbox"/> 130 rigid DK V1.1 1x panel<input type="checkbox"/> sol637b 154,6x170x1,6mm UL	Würth-Rot (F)# Würth-Rot (F)# 451251 Würth-Rot (F)# 451505
WIP	1	18-3442	BMK-Label 7x7mm Polyester weiß<input type="checkbox"/> 2D-WIP-Label BMK-Standard<input type="checkbox"/> RT:05-7263 mit Klartext<input type="checkbox"/> siehe Text/Bild	Brady (F)# THT-B727-7X7



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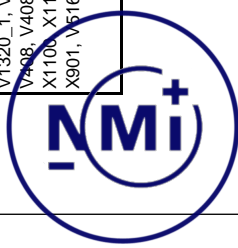
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
X900	1	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT	Conelectronics (F)# N508263-0620A
X400	1	24-2253	KL 2x2p 90° Schraubklemme blau RM5,08 THT	Conelectronics (F)# N508263-0420A
C503, C527	2	32-0441	CAPE 150µF 20%, 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm	NIPPON CHEMI (F)# EKZE500EC3151MJC5S NIPPON CHEMI (F)# EKZE500ELL151MJC5S NIPPON CHEMI (F)# EKZE500ETD151MJC5S NIPPON CHEMI (F)# EKZM500EC3151MJC5S NIPPON CHEMI (F)# EKZM500ELL151MJC5S NIPPON CHEMI (F)# KZE-VB 150/50 Zeichnung (F)# 32-0441 - BT_Spec.doc
C521, C522	2	32-1381	CAPC 4,7nF 20% 500V Y5U Z RM10 THT geschnitten + gesickt	VISHAY (T)# VY1472M63Y5UJ63V0 VISHAY (F)# VY1472M63Y5UJ6TV0
C501, C508	2	32-6002	CAPE 220µF 20%, 10V RM2,5 THT 10000h@105°C Z 6,3x11mm	NICHICON (F)# ULD1A221MED1CM NICHICON (F)# ULD1A221MED1TD
WZ_01	1	61-5109-1	SMT-Schablone MetCom Systems sol637b	
RHB0	1	80-4000	Hilfsstoffe SMT Für Kalkulation	
RHB1	1	80-4001	Hilfsstoffe THT Für Kalkulation	
RHB2	1	80-4002	Hilfsstoffe THT Für Kalkulation	
X200	1	03-2780	BL 2x9p 180° Buchsenleiste 2,54mm pitch SMT	Conelectronics (F)# B25-4150-180102F-6-60



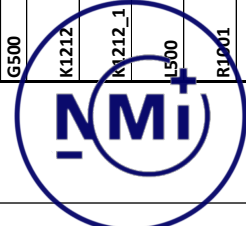
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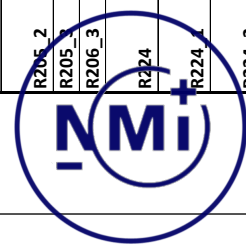
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller: F = Freigegeben T = technische Alternative V = Veraltet A = Abgekündigt G = Gesperrt
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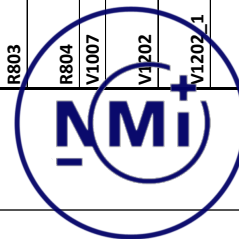
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Position	Bezeichnung	Bezeichnung	Bezeichnung
R1013	nicht bestückt	offen	Nicht Best.
C200_3	nicht bestückt	neu	n.b.
C202_3	nicht bestückt		nicht bestückt
C521	CAPC 2,2nF 20% 500V Y5U RM9,5 THT		CAPC 4,7nF 20% 500V Y5U Z RM10 THT
C522	CAPC 2,2nF 20% 500V Y5U RM9,5 THT		CAPC 4,7nF 20% 500V Y5U Z RM10 THT
C526	CAPC 1nF 10% 50V X7R 0402 SMT		nicht bestückt
C706	CAPC 1nF 10% 50V X7R 0402 SMT		CAPC 1nF 10% 50V X7R 0402 SMT
C800	CAPC 100nF 10% 50V X7R 0402 SMT		nicht bestückt
C801	CAPC 100nF 10% 50V X7R 0402 SMT		nicht bestückt
C802	CAPC 100nF 10% 50V X7R 0402 SMT		nicht bestückt
D100	IC S25FL132K0XMF1013 -40/+85°C S08-208-mil SMT SPI Flash		IC S25FL132K0XMF1013 -40/+85°C S08-208-mil SMT SPI Flash
D800	IC STM32F030F4P6 -40/+85°C TSSOP20 SMT Microcontroller		nicht bestückt
D905	nicht bestückt		nicht bestückt
G200	CRYS 16,384MHz 18pF 50ppm 11,7x4,8x4,0mm SMT 30ppm@25°C -40/+85°C		CRYS 16,384MHz 18pF 50ppm 11,7x4,8x4,0mm SMT 30ppm@25°C -40/+85°C
G500	nicht bestückt		nicht bestückt
K1212	Relais NO 277V 10A 12V 20x15x10,2mm THT		Relais NO 277V 10A 12V 20x15x10,2mm THT
K1212_1	Relais NO 277V 10A 12V 20x15x10,2mm THT		Relais NO 277V 10A 12V 20x15x10,2mm THT
L500	744775215		COIL 100µH 10% 510mA 5,8x5,8x4,5mm SMT
R1001	RES OR x% 0,063W 200ppm 0402 SMT		RES OR x% 0,063W 200ppm 0402 SMT
R1003	RES 270R 1% 0,063W 100ppm 0402 SMT		RES 270R 1% 0,063W 100ppm 0402 SMT
R1004	RES 220R 1% 0,063W 100ppm 0402 SMT		RES 220R 1% 0,063W 100ppm 0402 SMT



Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Bezeichnung	Bezeichnung
R1007	01-3455 RES 22K 1% 0,063W 100ppm 0402 SMT	01-3455 RES 22K 1% 0,063W 100ppm 0402 SMT	01-3455 RES 22K 1% 0,063W 100ppm 0402 SMT
R1010	01-2654 RES 27K 1% 0,063W 100ppm 0402 SMT	01-2654 RES 27K 1% 0,063W 100ppm 0402 SMT	01-2654 RES 27K 1% 0,063W 100ppm 0402 SMT
R1011	01-2654 RES 27K 1% 0,063W 100ppm 0402 SMT	01-2654 RES 27K 1% 0,063W 100ppm 0402 SMT	01-2654 RES 27K 1% 0,063W 100ppm 0402 SMT
R1018	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
R1022	01-1418 RES 240R 1% 0,1W 100ppm 0603 SMT	01-1418 RES 240R 1% 0,1W 100ppm 0603 SMT	01-1418 RES 240R 1% 0,1W 100ppm 0603 SMT
R1102	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R113	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
R200_3	n.b. RES 15R 1% 0,25W 50ppm Minimelf SMT	n.b. RES 15R 1% 0,25W 50ppm Minimelf SMT	n.b. RES 15R 1% 0,25W 50ppm Minimelf SMT
R201	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT
R201_1	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT
R201_2	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT
R201_3	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
R202_3	n.b. RES 15R 1% 0,25W 50ppm Minimelf SMT	n.b. RES 15R 1% 0,25W 50ppm Minimelf SMT	n.b. RES 15R 1% 0,25W 50ppm Minimelf SMT
R205	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT
R205_1	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT
R205_2	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT	01-1186 RES 15R 1% 0,25W 50ppm Minimelf SMT
R205_3	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
R206_3	n.b. RES 220R 1% 0,25W 50ppm Minimelf SMT	n.b. RES 220R 1% 0,25W 50ppm Minimelf SMT	n.b. RES 220R 1% 0,25W 50ppm Minimelf SMT
R224	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT
R224_1	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT
R224_2	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT
R225	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT	01-0675-3 RES 220R 1% 0,25W 50ppm Minimelf SMT



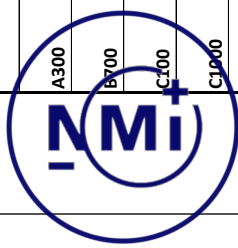
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Position	Bezeichnung	Bezeichnung	Bezeichnung
R225_1	01-0675-3 Minimelf SMT	RES 220R 1% 0,25W 50ppm	RES 220R 1% 0,25W 50ppm
R225_2	01-0675-3 Minimelf SMT	RES 220R 1% 0,25W 50ppm	Minimelf SMT
R303	n.b.	nicht bestückt	nicht bestückt
R507	01-0960 0603 SMT	RES 100K 1% 0,1W 100ppm	RES 100K 1% 0,1W 100ppm
R508	01-0885 0603 SMT	RES 22K 1% 0,1W 100ppm	0603 SMT
R509	01-0489 0603 SMT	RES 33K 1% 0,1W 100ppm	0603 SMT
R510	01-1309 0603 SMT	RES 11K 1% 0,1W 100ppm	RES 11K 1% 0,1W 100ppm
R513	01-1906 0402 SMT	RES 100R 1% 0,063W 100ppm	RES 100R 1% 0,063W 100ppm
R516	n.b.	nicht bestückt	nicht bestückt
R706	01-1911 0402 SMT	RES 1K 1% 0,063W 100ppm	RES 1K 1% 0,063W 100ppm
R800	n.b.	RES 100K 1% 0,063W 100ppm	nicht bestückt
R801	n.b.	RES 100K 1% 0,063W 100ppm	nicht bestückt
R802	n.b.	RES 100K 1% 0,063W 100ppm	nicht bestückt
R803	n.b.	RES 0R x% 0,063W 200ppm	nicht bestückt
R804	n.b.	RES 0R x% 0,063W 200ppm	nicht bestückt
V1007	n.b.	0402 SMT	nicht bestückt
V1202	08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT
V1202_1	08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT
V1202_2	08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT
V1202_3	08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT



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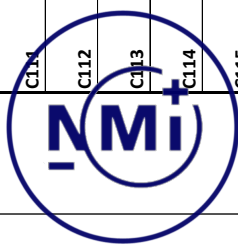
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Position	Bezeichnung	Bezeichnung	Bezeichnung
V501	08-0678-3 DIO BAV103 200V 500mA uni Minimelf SMT	08-0678-3 DIO BAV103 200V 500mA uni Minimelf SMT	08-0678-3 DIO BAV103 200V 500mA uni Minimelf SMT
V502	08-0842-1 DIO ES1D 200V 1A uni SMA SMT	08-0842-1 DIO ES1D 200V 1A uni SMA SMT	08-0842-1 DIO ES1D 200V 1A uni SMA SMT
V510	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
V513	08-1434 T BSP296 N-Kanal 100V 1A SOT223 SMT	08-1434 T BSP296 N-Kanal 100V 1A SOT223 SMT	08-1434 T BSP296 N-Kanal 100V 1A SOT223 SMT
V515	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
V516	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
V517	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
V708	08-2189 DIO S1M 1kV 1A uni DO214AC SMT	08-2189 DIO S1M 1kV 1A uni DO214AC SMT	08-2189 DIO S1M 1kV 1A uni DO214AC SMT
V709	08-2189 DIO S1M 1kV 1A uni DO214AC SMT	08-2189 DIO S1M 1kV 1A uni DO214AC SMT	08-2189 DIO S1M 1kV 1A uni DO214AC SMT
V714	08-1507 DIO BAV199 75V 160mA uni SOT23 SMT	08-1507 DIO BAV199 75V 160mA uni SOT23 SMT	08-1507 DIO BAV199 75V 160mA uni SOT23 SMT
X1100	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
X1102	n.b. BL 2x9p 180° Buchsenleiste 2.54mm pitch SMT	n.b. BL 2x9p 180° Buchsenleiste 2.54mm pitch SMT	n.b. BL 2x9p 180° Buchsenleiste 2.54mm pitch SMT
X200	03-2780 nicht bestückt	03-2780 nicht bestückt	03-2780 nicht bestückt
X201	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
X202	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
X402	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
X801	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
X901	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
A300	05-1472 LCD-Display FL9083PA1 - 0- 83.5x31,0x29,7mm THT	05-1472 LCD-Display FL9083PA1 - 0- 83.5x31,0x29,7mm THT	05-1472 LCD-Display FL9083PA1 - 0- 83.5x31,0x29,7mm THT
B700	11-7114-1 Hall-Sensor AH180-WG-7 SOT23 SMT -40/+85°C	11-7114-1 Hall-Sensor AH180-WG-7 SOT23 SMT -40/+85°C	11-7114-1 Hall-Sensor AH180-WG-7 SOT23 SMT -40/+85°C
C100	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C1000	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1003	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1004	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT



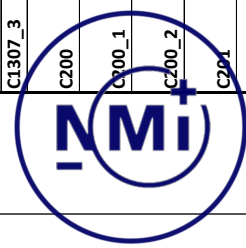
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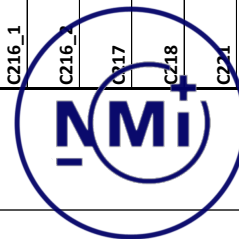
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Position	Bezeichnung	Bezeichnung	Bezeichnung
C101	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C102	02-1904-3 CAPC 10pF 5% 50V NPO 0402 SMT		02-1904-3 CAPC 10pF 5% 50V NPO 0402 SMT
C103	02-1904-3 CAPC 10pF 5% 50V NPO 0402 SMT		02-1904-3 CAPC 10pF 5% 50V NPO 0402 SMT
C104	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C105	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C106	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C107	n.b. nicht bestückt		n.b. nicht bestückt
C108	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT		02-2200 CAPC 10nF 10% 50V X7R 0402 SMT
C109	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C110	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C1100	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C1101	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C1102	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C111	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C112	02-4679 CAPC 10µF 10% 25V X5R 0805 SMT		02-4679 CAPC 10µF 10% 25V X5R 0805 SMT
C113	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C114	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C115	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C116	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT		02-4561 CAPC 100nF 10% 50V X7R 0402 SMT



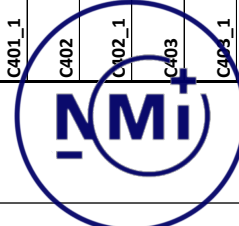
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Position	Bezeichnung	Bezeichnung	Bezeichnung
C117	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
C1200	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1200_1	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1200_2	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1200_3	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1202	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1202_1	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1202_2	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1202_3	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT	02-1887 CAPC 100pF 5% 50V NPO 0402 SMT
C1306	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
C1306_1	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
C1306_2	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
C1306_3	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
C1307	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
C1307_1	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
C1307_2	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
C1307_3	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
C200	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT
C200_1	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT
C200_2	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT
C201	02-4679 CAPC 10µF 10% 25V X5R 0805 SMT	02-4679 CAPC 10µF 10% 25V X5R 0805 SMT	02-4679 CAPC 10µF 10% 25V X5R 0805 SMT
C202	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT
C202_1	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT	02-2200 CAPC 10nF 10% 50V X7R 0402 SMT



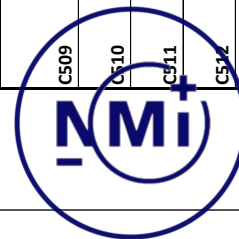
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Position	Bezeichnung		Bezeichnung
C202_2	CAPC 10nF 10% 50V X7R 0402 SMT		CAPC 10nF 10% 50V X7R 0402 SMT
C203	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C204	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C205	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C206	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C208	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C212	CAPC 10µF 10% 25V X5R 0805 SMT		CAPC 10µF 10% 25V X5R 0805 SMT
C213	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C215	CAPC 10nF 10% 50V X7R 0402 SMT		CAPC 10nF 10% 50V X7R 0402 SMT
C215_1	CAPC 10nF 10% 50V X7R 0402 SMT		CAPC 10nF 10% 50V X7R 0402 SMT
C215_2	CAPC 10nF 10% 50V X7R 0402 SMT		CAPC 10nF 10% 50V X7R 0402 SMT
C216	CAPC 10nF 10% 50V X7R 0402 SMT		CAPC 10nF 10% 50V X7R 0402 SMT
C216_1	CAPC 10nF 10% 50V X7R 0402 SMT		CAPC 10nF 10% 50V X7R 0402 SMT
C216_2	CAPC 10nF 10% 50V X7R 0402 SMT		CAPC 10nF 10% 50V X7R 0402 SMT
C217	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C218	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C221	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C222	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C225	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT



Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung		Bezeichnung
C226	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C300	n.b.		n.b.
C301	n.b.		n.b.
C302	n.b.		n.b.
C303	n.b.		n.b.
C304	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C305	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C306	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C307	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C308	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C309	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C400	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C400_1	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C401	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C401_1	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C402	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C402_1	CAPC 100nF 10% 50V X7R 0402 SMT		CAPC 100nF 10% 50V X7R 0402 SMT
C403	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C403_1	CAPC 100pF 5% 50V NPO 0402 SMT		CAPC 100pF 5% 50V NPO 0402 SMT
C408	CAPC 1 µF 16V 0402 SMT		CAPC 1 µF 16V 0402 SMT
C408_1	CAPC 1 µF 16V 0402 SMT		CAPC 1 µF 16V 0402 SMT



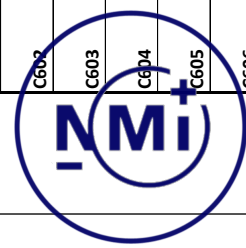
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Position	Bezeichnung		Bezeichnung
C409	CAPC 1 µF 16V 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C409_1	CAPC 1 µF 16V 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C500		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C501	CAPE 220µF 20% 10V RM2,5 THT 10000h@105°C Z 6,3x11mm	32-6002	CAPE 220µF 20% 10V RM2,5 THT 10000h@105°C Z 6,3x11mm
C502		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C503	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm	32-0441	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm
C504	CAPC 220pF 5% 50V 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C505		02-4850	CAPC 10µF 10% 50V X5R 1206 SMT
C506		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C507		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C508	CAPE 220µF 20% 10V RM2,5 THT 10000h@105°C Z 6,3x11mm	32-6002	CAPE 220µF 20% 10V RM2,5 THT 10000h@105°C Z 6,3x11mm
C509	CAPE 220mF -20%/+80% 5,5V RM5 THT 1000h@70°C 10,5x5,0mm	02-2247	CAPE 220mF -20%/+80% 5,5V RM5 THT 1000h@70°C 10,5x5,0mm
C510		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C511		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C512		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C513	CAPC 10µF 10% 50V X5R 1206 SMT	02-4850	CAPC 10µF 10% 50V X5R 1206 SMT
C514	CAPC 10µF 10% 25V X5R 0805 SMT	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT



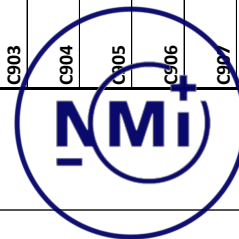
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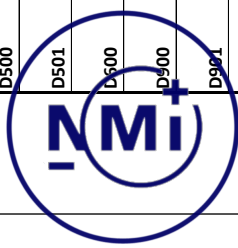
Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Position	Bezeichnung
C515	CAPC 10µF 10% 25V X5R 0805 SMT	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT
C516	CAPC 10µF 10% 50V X5R 1206 SMT	02-4850	CAPC 10µF 10% 50V X5R 1206 SMT
C517	CAPC 10µF 10% 50V X5R 1206 SMT	02-4850	CAPC 10µF 10% 50V X5R 1206 SMT
C518	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C519	CAPC 1nF 10% 50V X7R 0402 SMT	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C520	CAPC 1nF 10% 500V X7R 1206 SMT	02-2870	CAPC 1nF 10% 500V X7R 1206 SMT
C523	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C524	CAPC 1nF 10% 50V X7R 0402 SMT	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C525	CAPC 1nF 10% 50V X7R 0402 SMT	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C527	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm	32-0441	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm
C600	CAPC 10nF 10% 50V X7R 0402 SMT	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C601	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C602	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C603	CAPC 10µF 10% 25V X5R 0805 SMT	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT
C604	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C605	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C606	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C607	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT



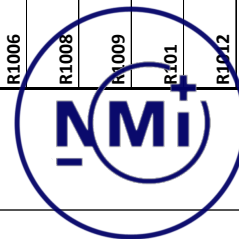
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Position	Bezeichnung	Position	Bezeichnung
C700	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C701	CAPC 1nF 10% 50V X7R 0402 SMT	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C702	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C703	CAPC 1nF 10% 50V X7R 0402 SMT	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C704	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C705	CAPC 1nF 10% 50V X7R 0402 SMT	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C707	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C708	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C710	CAPC 1nF 10% 50V X7R 0402 SMT	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C900	CAPC 100pF 5% 50V NPO 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C901	CAPC 100nF 10% 50V X7R 0402 SMT	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C902	CAPC 100pF 5% 50V NPO 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C903	CAPC 100pF 5% 50V NPO 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C904	CAPC 100pF 5% 50V NPO 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C905	CAPC 100pF 5% 50V NPO 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C906	CAPC 100pF 5% 50V NPO 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C907	CAPC 100pF 5% 50V NPO 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C908	CAPC 100pF 5% 50V NPO 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C909	CAPC 100pF 5% 50V NPO 0402 SMT	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT



Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Bezeichnung	Bezeichnung
C910	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT	02-4561 CAPC 100nF 10% 50V X7R 0402 SMT
D1000	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D1001	07-0970 IC TL431BIDBZ -40/+85°C SOT23-3 SMT Spannungsreferenz	07-0970 IC TL431BIDBZ -40/+85°C SOT23-3 SMT Spannungsreferenz	07-0970 IC TL431BIDBZ -40/+85°C SOT23-3 SMT Spannungsreferenz
D1003	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D101	07-1683 IC STM32F051R8T6 -40/+85°C LQFP64 SMT Mikrocontroller	07-1683 IC STM32F051R8T6 -40/+85°C LQFP64 SMT Mikrocontroller	07-1683 IC STM32F051R8T6 -40/+85°C LQFP64 SMT Mikrocontroller
D1301_1	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
D1301_2	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
D1301_3	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
D301	06-3409 IC PCF8545 -40/+85°C TSSOP56 SMT LCD Driver	06-3409 IC PCF8545 -40/+85°C TSSOP56 SMT LCD Driver	06-3409 IC PCF8545 -40/+85°C TSSOP56 SMT LCD Driver
D400	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D400_1	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D402	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D402_1	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D500	06-0016 IC SN74HC14 -40/+85°C Inverter SO14 SMT	06-0016 IC SN74HC14 -40/+85°C Inverter SO14 SMT	06-0016 IC SN74HC14 -40/+85°C Inverter SO14 SMT
D501	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D500	07-3929 IC STM32F401CEU6 -40/+85°C UFQFPN48 SMT Mikrocontroller	07-3929 IC STM32F401CEU6 -40/+85°C UFQFPN48 SMT Mikrocontroller	07-3929 IC STM32F401CEU6 -40/+85°C UFQFPN48 SMT Mikrocontroller
D900	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D901	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D902	06-0351 IC SN75176BD 0/+70°C SO8 SMT Bustransceiver	06-0351 IC SN75176BD 0/+70°C SO8 SMT Bustransceiver	06-0351 IC SN75176BD 0/+70°C SO8 SMT Bustransceiver
D903	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1 Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT



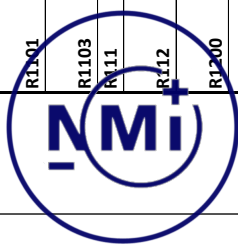
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D904	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
E500	05-2441-1	Li-Batt: 3V 1g 235mAh -Wh 20x3,2mm THT Li-Met	05-2441-1	Li-Batt: 3V 1g 235mAh -Wh 20x3,2mm THT Li-Met
G100	09-2025	CRYS 32,768kHz 12,5pF -ppm 7x1,5x1,4mm SMT 20ppm@25°C -40/+85°C	09-2025	CRYS 32,768kHz 12,5pF -ppm 7x1,5x1,4mm SMT 20ppm@25°C -40/+85°C
L501	04-0797	COIL 6,5mH 50% 420mR 600mA 9,2x6x5mm SMT	04-0797	COIL 6,5mH 50% 420mR 600mA 9,2x6x5mm SMT
N1000	11-2625-1	IC LM317MKTPR 0/+125°C DPAK3 SMT Spannungsregler	11-2625-1	IC LM317MKTPR 0/+125°C DPAK3 SMT Spannungsregler
N500	11-8546	IC MC34063EBD -40/+125°C S08 SMT Schaltregler	11-9931	IC MC34063ABD -40/+85°C S08 SMT Schaltregler
PCB	15-7378-3	PCB Metcom MCS301 Mainboard HAL Pbfree TG=>= 130 rigid DK V1.2 1x panel sol637b	15-7378-3	PCB Metcom MCS301 Mainboard HAL Pbfree TG=>= 130 rigid DK V1.2 1x panel sol637b
R100	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1000	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1002	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1005	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT
R1006	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT
R1008	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT
R1009	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT
R101	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1012	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R1014	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1015	01-0607	RES 4,7K 1% 0,1W 100ppm 0603 SMT	01-0607	RES 4,7K 1% 0,1W 100ppm 0603 SMT



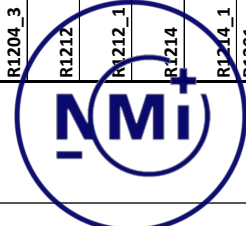
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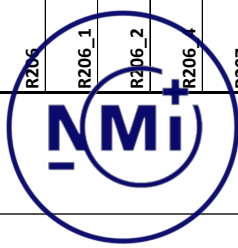
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Position	Bezeichnung	Bezeichnung	Bezeichnung
R1016	RES 1K 1% 0,063W 100ppm 0402 SMT		RES 1K 1% 0,063W 100ppm 0402 SMT
R1017	RES 1K 1% 0,063W 100ppm 0402 SMT		RES 1K 1% 0,063W 100ppm 0402 SMT
R1019	RES 33K 1% 0,1W 100ppm 0603 SMT		RES 33K 1% 0,1W 100ppm 0603 SMT
R102	RES 220R 1% 0,1W 100ppm 0603 SMT		RES 220R 1% 0,1W 100ppm 0603 SMT
R1020	RES 33K 1% 0,1W 100ppm 0603 SMT		RES 33K 1% 0,1W 100ppm 0603 SMT
R1021	RES 33K 1% 0,1W 100ppm 0603 SMT		RES 33K 1% 0,1W 100ppm 0603 SMT
R103	RES 10K 1% 0,063W 100ppm 0402 SMT		RES 10K 1% 0,063W 100ppm 0402 SMT
R104	RES 220R 1% 0,1W 100ppm 0603 SMT		RES 220R 1% 0,1W 100ppm 0603 SMT
R105	RES 0R x% 0,063W 200ppm 0402 SMT		RES 0R x% 0,063W 200ppm 0402 SMT
R107	RES 100R 1% 0,063W 100ppm 0402 SMT		RES 100R 1% 0,063W 100ppm 0402 SMT
R108	nicht bestückt		nicht bestückt
R109	nicht bestückt		nicht bestückt
R110	nicht bestückt		nicht bestückt
R1100	RES 10K 1% 0,063W 100ppm 0402 SMT		RES 10K 1% 0,063W 100ppm 0402 SMT
R1101	RES 1K 1% 0,063W 100ppm 0402 SMT		RES 1K 1% 0,063W 100ppm 0402 SMT
R1103	RES 100K 1% 0,25W 50ppm Minimelf SMT		RES 100K 1% 0,25W 50ppm Minimelf SMT
R111	nicht bestückt		nicht bestückt
R112	RES 10R 1% 0,063W 200ppm 0402 SMT		RES 10R 1% 0,063W 200ppm 0402 SMT
R1200	RES 180R 1% 0,1W 100ppm 0603 SMT		RES 180R 1% 0,1W 100ppm 0603 SMT
R1200_1	RES 180R 1% 0,1W 100ppm 0603 SMT		RES 180R 1% 0,1W 100ppm 0603 SMT
R1200_2	RES 180R 1% 0,1W 100ppm 0603 SMT		RES 180R 1% 0,1W 100ppm 0603 SMT



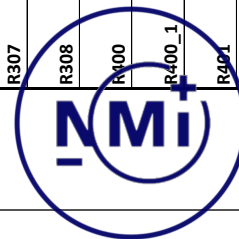
Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
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R1200_3	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT
R1202	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT
R1202_1	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT
R1202_2	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT
R1202_3	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT	RES 180R 1% 0,1W 100ppm 0603 SMT
R1203	RES 0R -% 0,25W xppm 1206 SMT	RES 0R -% 0,25W xppm 1206 SMT	RES 0R -% 0,25W xppm 1206 SMT
R1203_1	RES 0R -% 0,25W xppm 1206 SMT	RES 0R -% 0,25W xppm 1206 SMT	RES 0R -% 0,25W xppm 1206 SMT
R1203_2	RES 0R -% 0,25W xppm 1206 SMT	RES 0R -% 0,25W xppm 1206 SMT	RES 0R -% 0,25W xppm 1206 SMT
R1203_3	RES 0R -% 0,25W xppm 1206 SMT	RES 0R -% 0,25W xppm 1206 SMT	RES 0R -% 0,25W xppm 1206 SMT
R1204	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT
R1204_1	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT
R1204_2	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT
R1204_3	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT
R1212	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT
R1212_1	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT
R1214	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT
R1214_1	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT	RES 1M 1% 0,063W 100ppm 0402 SMT
R1301	nicht bestückt	nicht bestückt	nicht bestückt
R1301_1	nicht bestückt	nicht bestückt	nicht bestückt
R1301_2	nicht bestückt	nicht bestückt	nicht bestückt
R1301_3	nicht bestückt	nicht bestückt	nicht bestückt



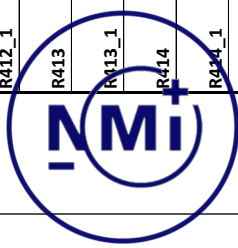
Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Bezeichnung	Bezeichnung
R1302_1	nicht bestückt	nicht bestückt	nicht bestückt
R1302_2	nicht bestückt	nicht bestückt	nicht bestückt
R1302_3	nicht bestückt	nicht bestückt	nicht bestückt
R1304	nicht bestückt	nicht bestückt	nicht bestückt
R1304_1	nicht bestückt	nicht bestückt	nicht bestückt
R1304_2	nicht bestückt	nicht bestückt	nicht bestückt
R1304_3	nicht bestückt	nicht bestückt	nicht bestückt
R200	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT
R200_1	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT
R200_2	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT
R200_4	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT
R202	RES 0R x% 0,063W 200ppm 0402 SMT	RES 0R x% 0,063W 200ppm 0402 SMT	RES 0R x% 0,063W 200ppm 0402 SMT
R202_1	RES 0R x% 0,063W 200ppm 0402 SMT	RES 0R x% 0,063W 200ppm 0402 SMT	RES 0R x% 0,063W 200ppm 0402 SMT
R202_2	RES 0R x% 0,063W 200ppm 0402 SMT	RES 0R x% 0,063W 200ppm 0402 SMT	RES 0R x% 0,063W 200ppm 0402 SMT
R203	RES 10K 1% 0,063W 100ppm 0402 SMT	RES 10K 1% 0,063W 100ppm 0402 SMT	RES 10K 1% 0,063W 100ppm 0402 SMT
R204	nicht bestückt	nicht bestückt	nicht bestückt
R206	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT
R206_1	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT
R206_2	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT
R206_4	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT	RES 1K 1% 0,063W 100ppm 0402 SMT
R207	RES 0R x% 0,063W 200ppm 0402 SMT	RES 0R x% 0,063W 200ppm 0402 SMT	RES 0R x% 0,063W 200ppm 0402 SMT
R208	RES 10R 1% 0,063W 200ppm 0402 SMT	RES 10R 1% 0,063W 200ppm 0402 SMT	RES 10R 1% 0,063W 200ppm 0402 SMT



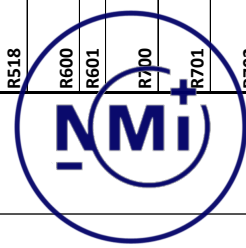
Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Bezeichnung	Bezeichnung
R209	01-1890 RES OR x% 0,063W 200ppm 0402 SMT	01-1890 RES OR x% 0,063W 200ppm 0402 SMT	01-1890 RES OR x% 0,063W 200ppm 0402 SMT
R210	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
R211	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
R212	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
R213	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
R222	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R222_1	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R222_2	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R300	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R301	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R302	01-0960 RES 100K 1% 0,1W 100ppm 0603 SMT	01-0960 RES 100K 1% 0,1W 100ppm 0603 SMT	01-0960 RES 100K 1% 0,1W 100ppm 0603 SMT
R304	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R305	01-0947 RES 22R 1% 0,1W 100ppm 0603 SMT	01-0947 RES 22R 1% 0,1W 100ppm 0603 SMT	01-0947 RES 22R 1% 0,1W 100ppm 0603 SMT
R306	01-0898 RES 1M 1% 0,1W 100ppm 0603 SMT	01-0898 RES 1M 1% 0,1W 100ppm 0603 SMT	01-0898 RES 1M 1% 0,1W 100ppm 0603 SMT
R307	01-0947 RES 22R 1% 0,1W 100ppm 0603 SMT	01-0947 RES 22R 1% 0,1W 100ppm 0603 SMT	01-0947 RES 22R 1% 0,1W 100ppm 0603 SMT
R308	01-0947 RES 22R 1% 0,1W 100ppm 0603 SMT	01-0947 RES 22R 1% 0,1W 100ppm 0603 SMT	01-0947 RES 22R 1% 0,1W 100ppm 0603 SMT
R400	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R400_1	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R401	01-0216 RES 100R 1% 0,25W 100ppm 1206 SMT	01-0216 RES 100R 1% 0,25W 100ppm 1206 SMT	01-0216 RES 100R 1% 0,25W 100ppm 1206 SMT
R401_1	01-0216 RES 100R 1% 0,25W 100ppm 1206 SMT	01-0216 RES 100R 1% 0,25W 100ppm 1206 SMT	01-0216 RES 100R 1% 0,25W 100ppm 1206 SMT
R402	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT



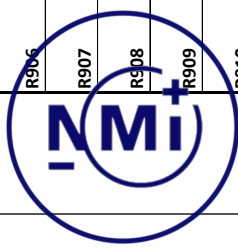
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R402_1	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT
R403	01-1927 RES 1M 1% 0,063W 100ppm 0402 SMT	01-1927 RES 1M 1% 0,063W 100ppm 0402 SMT	01-1927 RES 1M 1% 0,063W 100ppm 0402 SMT
R403_1	01-1927 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1927 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1927 RES 100K 1% 0,063W 100ppm 0402 SMT
R408	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT
R408_1	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT
R409	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT
R409_1	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT
R410	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT
R410_1	01-1911 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1905 RES 100K 1% 0,063W 100ppm 0402 SMT
R411	?? ~ 22k Minimelf	~ 22k Minimelf	01-0663 Minimelf SMT
R411_1	?? ~ 22k Minimelf	~ 22k Minimelf	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R412	?? ~ 22k Minimelf	~ 22k Minimelf	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R412_1	?? ~ 22k Minimelf	~ 22k Minimelf	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R413	?? ~ 22k Minimelf	~ 22k Minimelf	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R413_1	?? ~ 22k Minimelf	~ 22k Minimelf	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R414	?? ~ 22k Minimelf	~ 22k Minimelf	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R414_1	?? ~ 22k Minimelf	~ 22k Minimelf	01-0663 RES 100K 1% 0,25W 50ppm Minimelf SMT
R415	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R415_1	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT



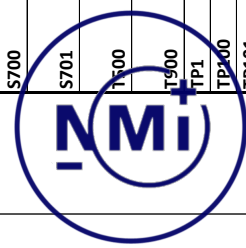
Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Position	Bezeichnung
R500	RES 240mR 1% 0,5W 100ppm 1206 SMT	01-6750	RES 240mR 1% 0,5W 100ppm 1206 SMT
R501	RES 22K 1% 0,1W 100ppm 0603 SMT	01-0885	RES 22K 1% 0,1W 100ppm 0603 SMT
R502	RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R503	RES 1M 1% 0,063W 100ppm 0402 SMT	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R504	RES 100R 1% 0,063W 100ppm 0402 SMT	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT
R505	RES 100R 1% 0,063W 100ppm 0402 SMT	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT
R506	RES 1M 1% 0,063W 100ppm 0402 SMT	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R511	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R512	RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R514	RES 0R x% 0,063W 200ppm 0402 SMT	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R515	RES 100R 1% 0,063W 100ppm 0402 SMT	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT
R517	RES 0R x% 0,063W 200ppm 0402 SMT	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R518	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R600	RES 100R 1% 0,063W 100ppm 0402 SMT	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT
R601	nicht bestückt	n.b.	nicht bestückt
R700	RES 4,7M 1% 0,063W 100ppm 0603 SMT	01-3661	RES 4,7M 1% 0,063W 100ppm 0603 SMT
R701	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R702	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R703	RES 4,7M 1% 0,063W 100ppm 0603 SMT	01-3661	RES 4,7M 1% 0,063W 100ppm 0603 SMT



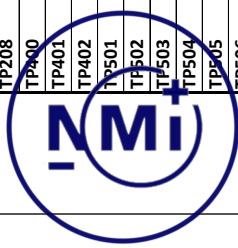
Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Bezeichnung	Bezeichnung
R704	01-3661 RES 4,7M 1% 0,063W 100ppm 0603 SMT	01-3661 RES 4,7M 1% 0,063W 100ppm 0603 SMT	01-3661 RES 4,7M 1% 0,063W 100ppm 0603 SMT
R705	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R707	n.b. nicht bestückt	n.b. nicht bestückt	n.b. nicht bestückt
R708	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R710	01-3661 RES 4,7M 1% 0,063W 100ppm 0603 SMT	01-3661 RES 4,7M 1% 0,063W 100ppm 0603 SMT	01-3661 RES 4,7M 1% 0,063W 100ppm 0603 SMT
R805	01-1890 RES 0R x% 0,063W 200ppm 0402 SMT	01-1890 RES 0R x% 0,063W 200ppm 0402 SMT	01-1890 RES 0R x% 0,063W 200ppm 0402 SMT
R806	01-1890 RES 0R x% 0,063W 200ppm 0402 SMT	01-1890 RES 0R x% 0,063W 200ppm 0402 SMT	01-1890 RES 0R x% 0,063W 200ppm 0402 SMT
R900	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R901	01-0820 RES 220R 1% 0,1W 100ppm 0603 SMT	01-0820 RES 220R 1% 0,1W 100ppm 0603 SMT	01-0820 RES 220R 1% 0,1W 100ppm 0603 SMT
R902	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R903	01-1908 RES 10R 1% 0,063W 200ppm 0402 SMT	01-1908 RES 10R 1% 0,063W 200ppm 0402 SMT	01-1908 RES 10R 1% 0,063W 200ppm 0402 SMT
R904	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R905	01-1908 RES 10R 1% 0,063W 200ppm 0402 SMT	01-1908 RES 10R 1% 0,063W 200ppm 0402 SMT	01-1908 RES 10R 1% 0,063W 200ppm 0402 SMT
R906	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT
R907	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R908	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907 RES 10K 1% 0,063W 100ppm 0402 SMT
R909	01-0820 RES 220R 1% 0,1W 100ppm 0603 SMT	01-0820 RES 220R 1% 0,1W 100ppm 0603 SMT	01-0820 RES 220R 1% 0,1W 100ppm 0603 SMT
R910	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911 RES 1K 1% 0,063W 100ppm 0402 SMT
R911	01-0820 RES 220R 1% 0,1W 100ppm 0603 SMT	01-0820 RES 220R 1% 0,1W 100ppm 0603 SMT	01-0820 RES 220R 1% 0,1W 100ppm 0603 SMT



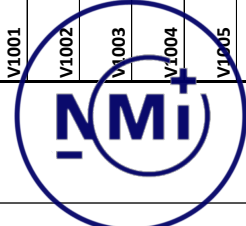
Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Position	Bezeichnung
R912	RES 1,8K 1% 0,063W 100ppm 0402 SMT	01-3517-1	RES 1,8K 1% 0,063W 100ppm 0402 SMT
R913	RES 100K 1% 0,25W 50ppm Minimelf SMT	01-0663	RES 100K 1% 0,25W 50ppm Minimelf SMT
R914	RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R915	RES 10K 1% 0,063W 100ppm 0402 SMT	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R916	RES 1M 1% 0,063W 100ppm 0402 SMT	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R917	RES 560R 1% 0,1W 100ppm 0603 SMT	01-0884	RES 560R 1% 0,1W 100ppm 0603 SMT
R918	RES 560R 1% 0,1W 100ppm 0603 SMT	01-0884	RES 560R 1% 0,1W 100ppm 0603 SMT
R919	RES 1M 1% 0,063W 100ppm 0402 SMT	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R920	RES 1K 1% 0,063W 100ppm 0402 SMT	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
S100	Taster 1-fach 180° 2,54mm pitch SMT	05-3455	Taster 1-fach 180° 2,54mm pitch SMT
S101	Taster 1-fach 180° 2,54mm pitch SMT	05-3455	Taster 1-fach 180° 2,54mm pitch SMT
S102	Taster 1-fach 180° 2,54mm pitch SMT	05-3455	Taster 1-fach 180° 2,54mm pitch SMT
S700	RM5,08 THT	05-8332	RM5,08 THT
S701	Taster 1-fach 180° RM5,08 THT	05-8332	Taster 1-fach 180° RM5,08 THT
T500	TRAN 26,5x15,8x13,5mm SMT	04-6570	TRAN 26,5x15,8x13,5mm SMT
T900	Fototransistor AA3528P35 400µA PLCC2 SMT	08-8742	Fototransistor AA3528P35 400µA PLCC2 SMT
TP1	nicht bestückt	n.b.	nicht bestückt
TP200	nicht bestückt	n.b.	nicht bestückt
TP101	nicht bestückt	n.b.	nicht bestückt
TP102	nicht bestückt	n.b.	nicht bestückt
TP103	nicht bestückt	n.b.	nicht bestückt
TP104	nicht bestückt	n.b.	nicht bestückt



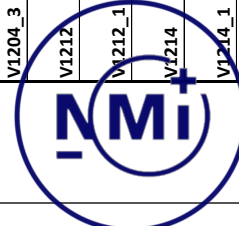
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Position	Bezeichnung	Bezeichnung	Bezeichnung
TP1100	n.b.	nicht bestückt	n.b.
TP1101	n.b.	nicht bestückt	n.b.
TP1102	n.b.	nicht bestückt	n.b.
TP1200	n.b.	nicht bestückt	n.b.
TP1201	n.b.	nicht bestückt	n.b.
TP1202	n.b.	nicht bestückt	n.b.
TP1203	n.b.	nicht bestückt	n.b.
TP1204	n.b.	nicht bestückt	n.b.
TP1205	n.b.	nicht bestückt	n.b.
TP1206	n.b.	nicht bestückt	n.b.
TP1207	n.b.	nicht bestückt	n.b.
TP1208	n.b.	nicht bestückt	n.b.
TP1209	n.b.	nicht bestückt	n.b.
TP1210	n.b.	nicht bestückt	n.b.
TP1212	n.b.	nicht bestückt	n.b.
TP1213	n.b.	nicht bestückt	n.b.
TP2	n.b.	nicht bestückt	n.b.
TP200	n.b.	nicht bestückt	n.b.
TP201	n.b.	nicht bestückt	n.b.
TP202	n.b.	nicht bestückt	n.b.
TP203	n.b.	nicht bestückt	n.b.
TP204	n.b.	nicht bestückt	n.b.
TP205	n.b.	nicht bestückt	n.b.
TP206	n.b.	nicht bestückt	n.b.
TP207	n.b.	nicht bestückt	n.b.
TP208	n.b.	nicht bestückt	n.b.
TP400	n.b.	nicht bestückt	n.b.
TP401	n.b.	nicht bestückt	n.b.
TP402	n.b.	nicht bestückt	n.b.
TP501	n.b.	nicht bestückt	n.b.
TP502	n.b.	nicht bestückt	n.b.
TP503	n.b.	nicht bestückt	n.b.
TP504	n.b.	nicht bestückt	n.b.
TP505	n.b.	nicht bestückt	n.b.
TP506	n.b.	nicht bestückt	n.b.
TP507	n.b.	nicht bestückt	n.b.
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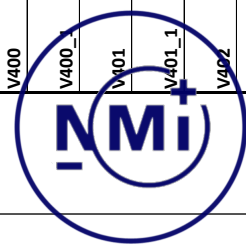
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TP511	n.b.	n.b.	n.b.
TP512	nicht bestückt	nicht bestückt	nicht bestückt
TP700	n.b.	n.b.	n.b.
TP701	nicht bestückt	nicht bestückt	nicht bestückt
TP702	n.b.	n.b.	n.b.
TP703	nicht bestückt	nicht bestückt	nicht bestückt
TP704	n.b.	n.b.	n.b.
TP705	nicht bestückt	nicht bestückt	nicht bestückt
TP900	n.b.	n.b.	n.b.
TP901	nicht bestückt	nicht bestückt	nicht bestückt
TP902	n.b.	n.b.	n.b.
U1200	Relais tbd 400V 140mA 5,3kV SMD 6 SMT	Relais tbd 400V 140mA 5,3kV SMD 6 SMT	Relais tbd 400V 140mA 5,3kV SMD 6 SMT
U1200_1	04-6347	04-6347	04-6347
U1200_2	04-6347	04-6347	04-6347
U1200_3	04-6347	04-6347	04-6347
V100	LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm	LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm	LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm
V1000	T BCX71H PNP 45V 100mA SOT23 SMT	T BCX71H PNP 45V 100mA SOT23 SMT	T BCX71H PNP 45V 100mA SOT23 SMT
V1001	08-1152	08-1152	08-1152
V1002	T BSS123 N-Kanal 100V 170mA SOT23 SMT	T BSS123 N-Kanal 100V 170mA SOT23 SMT	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V1003	08-0503	08-0503	08-0503
V1004	DIO BAV199 75V 160mA uni SOT23 SMT	DIO BAV199 75V 160mA uni SOT23 SMT	DIO BAV199 75V 160mA uni SOT23 SMT
V1005	08-1507	08-1507	08-1507
V1006	DIO P6SMBJ40CA 40V 9,3A bi SMB SMT	DIO P6SMBJ40CA 40V 9,3A bi SMB SMT	DIO P6SMBJ40CA 40V 9,3A bi SMB SMT
V1007	08-0844	08-0844	08-0844
V1008	T BC817-40 NPN 45V 0,5A SOT23 SMT	T BC817-40 NPN 45V 0,5A SOT23 SMT	T BC817-40 NPN 45V 0,5A SOT23 SMT
V1009	08-0180	08-0180	08-0180
V1010	T BSS123 N-Kanal 100V 170mA SOT23 SMT	T BSS123 N-Kanal 100V 170mA SOT23 SMT	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V1011	08-0503	08-0503	08-0503
V1012	T BCX71H PNP 45V 100mA SOT23 SMT	T BCX71H PNP 45V 100mA SOT23 SMT	T BCX71H PNP 45V 100mA SOT23 SMT
V1013	08-1152	08-1152	08-1152
V1014	DIO BAV199 75V 160mA uni SOT23 SMT	DIO BAV199 75V 160mA uni SOT23 SMT	DIO BAV199 75V 160mA uni SOT23 SMT
V1015	08-1507	08-1507	08-1507



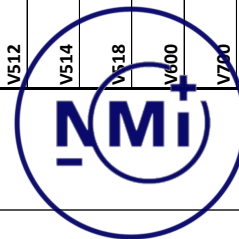
Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Bezeichnung	Bezeichnung
V102	08-1507 DIO BAV199 75V 160mA uni SOT23 SMT	08-1507 DIO BAV199 75V 160mA uni SOT23 SMT	08-1507 DIO BAV199 75V 160mA uni SOT23 SMT
V103	08-1485 LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm	08-1485 LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm	08-1485 LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm
V1100	08-0593 T BC807-40 PNP 45V 500mA SOT23 SMT	08-0593 T BC807-40 PNP 45V 500mA SOT23 SMT	08-0593 T BC807-40 PNP 45V 500mA SOT23 SMT
V1101	08-0180 T BC817-40 NPN 45V 0,5A SOT23 SMT	08-0180 T BC817-40 NPN 45V 0,5A SOT23 SMT	08-0180 T BC817-40 NPN 45V 0,5A SOT23 SMT
V1102	08-0503 T BSS123 N-Kanal 100V 170mA SOT23 SMT	08-0503 T BSS123 N-Kanal 100V 170mA SOT23 SMT	08-0503 T BSS123 N-Kanal 100V 170mA SOT23 SMT
V1200	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT
V1200_1	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT
V1200_2	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT
V1200_3	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT	08-8481 DIO SMCJ300CA 300V 3,1A bi DO214AB SMT
V1204	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT
V1204_1	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT
V1204_2	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT
V1204_3	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT
V1212	08-1120 DIO BAS40-05 40V 120mA uni SOT23 SMT	08-1120 DIO BAS40-05 40V 120mA uni SOT23 SMT	08-1120 DIO BAS40-05 40V 120mA uni SOT23 SMT
V1212_1	08-1120 DIO BAS40-05 40V 120mA uni SOT23 SMT	08-1120 DIO BAS40-05 40V 120mA uni SOT23 SMT	08-1120 DIO BAS40-05 40V 120mA uni SOT23 SMT
V1214	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT
V1214_1	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT
V1216	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT
V1216_1	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653 T 2N7002 N-Kanal 60V 115mA SOT23 SMT



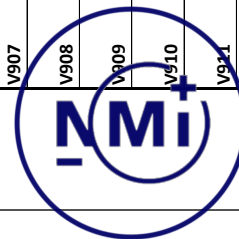
Artikel sol637.01rc1_000 V1.2.1 x01		Artikel sol637.04rb1_004 V1.1.9 x01	
Position	Bezeichnung	Bezeichnung	Bezeichnung
V1318	n.b.	nicht bestückt	n.b.
V1318_1	n.b.	nicht bestückt	n.b.
V1318_2	n.b.	nicht bestückt	n.b.
V1318_3	n.b.	nicht bestückt	n.b.
V1319	n.b.	nicht bestückt	n.b.
V1319_1	n.b.	nicht bestückt	n.b.
V1319_2	n.b.	nicht bestückt	n.b.
V1319_3	n.b.	nicht bestückt	n.b.
V1320	n.b.	nicht bestückt	n.b.
V1320_1	n.b.	nicht bestückt	n.b.
V1320_2	n.b.	nicht bestückt	n.b.
V1320_3	n.b.	nicht bestückt	n.b.
V200	07-3930	IC ATM90E36A-AU -40/+85°C TQFP48 SMT Energy Metering	IC ATM90E36A-AU -40/+85°C TQFP48 SMT Energy Metering
V300	08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT	T BC817-40 NPN 45V 0,5A SOT23 SMT
V301	08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm
V302	08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm
V303	08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm
V304	08-0653	T 2N7002 N-Kanal 60V 115mA SOT23 SMT	T 2N7002 N-Kanal 60V 115mA SOT23 SMT
V400	08-1108-1	GL MB4S 280V 500mA 4,9x3x4,2mm SMT	GL MB4S 280V 500mA 4,9x3x4,2mm SMT
V400_1	08-1108-1	GL MB4S 280V 500mA 4,9x3x4,2mm SMT	GL MB4S 280V 500mA 4,9x3x4,2mm SMT
V401	08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT	T BC817-40 NPN 45V 0,5A SOT23 SMT
V401_1	08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT	T BC817-40 NPN 45V 0,5A SOT23 SMT
V402	08-1843-1	DIO SMAJ30A 30V 8,3A uni SMA SMT	DIO SMAJ30A 30V 8,3A uni SMA SMT
V402_1	08-1843-1	DIO SMAJ30A 30V 8,3A uni SMA SMT	DIO SMAJ30A 30V 8,3A uni SMA SMT
V403	08-0653	T 2N7002 N-Kanal 60V 115mA SOT23 SMT	T 2N7002 N-Kanal 60V 115mA SOT23 SMT



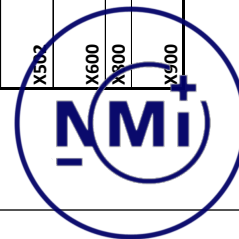
Position	Artikel sol637.01rc1_000 V1.2.1 x01	Bezeichnung	Artikel sol637.04rb1_004 V1.1.9 x01	Bezeichnung
V403_1	08-0653	T 2N7002 N-Kanal 60V 115mA SOT23 SMT	08-0653	T 2N7002 N-Kanal 60V 115mA SOT23 SMT
V408	08-2189	DIO S1M 1kV 1A uni DO214AC SMT	08-2189	DIO S1M 1kV 1A uni DO214AC SMT
V408_1	08-2189	DIO S1M 1kV 1A uni DO214AC SMT	08-2189	DIO S1M 1kV 1A uni DO214AC SMT
V500	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V503	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V504	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT
V505	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V506	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V507	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V508	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V509	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V511	08-1618	DIO MBRA340T3 40V 3A uni SMA SMT	08-1618	DIO MBRA340T3 40V 3A uni SMA SMT
V512	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V514	08-4149	DIOZ TZMC39GS08 39V 2,5mA Minimelf SMT	08-4149	DIOZ TZMC39GS08 39V 2,5mA Minimelf SMT
V518	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V600	08-0621-3	DIO BAV170 60V 125mA uni SOT23 SMT	08-0621-3	DIO BAV170 60V 125mA uni SOT23 SMT
V700	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V701	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT
V702	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT



Position	Artikel sol637.01rc1_000 V1.2.1 x01	Bezeichnung	Artikel sol637.04rb1_004 V1.1.9 x01	Bezeichnung
V703	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V704	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V705	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT
V706	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V707	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V900	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT
V901	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V902	08-0749	DIO TZMC12 12V 39mA Minimelf SMT	08-0749	DIO TZMC12 12V 39mA Minimelf SMT
V903	08-4505	DIOZ BZV55CGV8 6,8V 250mA Minimelf SMT	08-4505	DIOZ BZV55CGV8 6,8V 250mA Minimelf SMT
V904	08-0749	DIOZ TZMC12 12V 39mA Minimelf SMT	08-0749	DIOZ TZMC12 12V 39mA Minimelf SMT
V905	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V906	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT
V907	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V908	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V909	08-8479	IRLED SFH 4059 1-fach 860nm 1,6x3,2x1,8mm SMT A	08-8479	IRLED SFH 4059 1-fach 860nm 1,6x3,2x1,8mm SMT A
V910	08-0180	BC817-40	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V911	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V912	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT
V913	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT



Position	Artikel sol637.01rc1_000 V1.2.1 x01	Bezeichnung	Artikel sol637.04rb1_004 V1.1.9 x01	Bezeichnung
V914	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
WIP	18-3442	BMK-Label 5x5mm Polyester weiß 2D-WIP-Label BMK-Standard RT:05-8219	18-3442	BMK-Label 5x5mm Polyester weiß 2D-WIP-Label BMK-Standard RT:05-8219
X100	03-0084	SL 3p 180° RM2,54 THT	03-0084	SL 3p 180° RM2,54 THT
X101	03-0088-9	SL 2p 180° RM2,54 THT	03-0088-9	SL 2p 180° RM2,54 THT
X102	03-0086	SL 2x4p 180° RM2,54 THT	03-0086	SL 2x4p 180° RM2,54 THT
X1101	03-2680	SL 6p 180° RM2,54 THT	03-2680	SL 6p 180° RM2,54 THT
X1103	03-0451-2	SL 8p 180° RM2,54 THT	03-0451-2	SL 8p 180° RM2,54 THT
X1200	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT
X400	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT
X401	24-1999	KL 3p 90° Schraubklemme Blau RM5,08 THT	24-1999	KL 3p 90° Schraubklemme Blau RM5,08 THT
X500	05-4686	Befestigungselement Feder 5x3x4mm SMT	05-4686	Befestigungselement Feder 5x3x4mm SMT
X501	05-4686	Befestigungselement Feder 5x3x4mm SMT	05-4686	Befestigungselement Feder 5x3x4mm SMT
X502	05-4686	Befestigungselement Feder 5x3x4mm SMT	05-4686	Befestigungselement Feder 5x3x4mm SMT
X600	03-0086	SL 2x4p 180° RM2,54 THT	03-0086	SL 2x4p 180° RM2,54 THT
X800	n.b.	nicht bestückt	n.b.	nicht bestückt
X900	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT



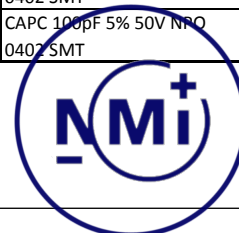
Vergleich sol637 x01 V1.2 zu V1.3

Position	Artikel sol637.01rc1_0 12	Bezeichnung		Artikel sol637.01rd1_ 003	Bezeichnung
	x01 V1.2			x01 V1.3	
X1100	sol644.00rc1	MCS301 Modulplatine V1.2 Solutions# met005.00rc1		sol644.00rc1	MCS301 Modulplatine V1.2 Solutions# met005.00rc1
C509	02-2247	CAPE 220mF -20%/+80% 5,5V RM5 THT 1000h@70°C 10,5x5,0mm		02-2247	CAPE 220mF -20%/+80% 5,5V RM5 THT 1000h@70°C Z 10,5x5,0mm
D101	07-1683	IC STM32F051R8T6 -40/+85°C LQFP64 SMT Mikrocontroller		07-1683	IC STM32F051R8T6 -40/+85°C LQFP64 SMT Mikrocontroller
D600	07-3929	IC STM32F401CEU6 -40/+85°C UFQFPN48 SMT Mikrocontroller		07-3929	IC STM32F401CEU6 -40/+85°C UFQFPN48 SMT Mikrocontroller
PCB	15-7378-3	PCB Metcom MCS301 Mainboard rigid HAL PbFree TG>=130 02Layer 1x Panel		15-7378-4	PCB Metcom MCS301 Mainboard rigid HAL PbFree TG>=130 02Layer 1x Panel
R921	Nicht Best.			01-0160	RES OR -% 0,25W xppm 1206 SMT
R922	Nicht Best.			01-0160	RES OR -% 0,25W xppm 1206 SMT
R923	n.b.			n.b.	nicht bestückt
R924	n.b.			n.b.	nicht bestückt
V915	Nicht Best.			08-0031	DIOZ TZMC2V7 2,7V 200mA Minimelf SMT
A300	05-1472	LCD-Display FL9083PA1 - 0- 83,5x31,0x29,7mm THT		05-1472	LCD-Display FL9083PA1 - 0- 83,5x31,0x29,7mm THT
B700	11-7114-1	Hall-Sensor AH180-WG-7 SOT23 SMT -40/+85°C		11-7114-1	Hall-Sensor AH180-WG-7 SOT23 SMT -40/+85°C
C100	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C101	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C102	02-1904-3	CAPC 10pF 5% 50V NPO 0402 SMT		02-1904-3	CAPC 10pF 5% 50V NPO 0402 SMT
C103	02-1904-3	CAPC 10pF 5% 50V NPO 0402 SMT		02-1904-3	CAPC 10pF 5% 50V NPO 0402 SMT
C104	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C105	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C106	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C107	n.b.	nicht bestückt		n.b.	nicht bestückt
C108	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C109	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C110	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C111	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C112	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT		02-4679	CAPC 10µF 10% 25V X5R 0805 SMT
C113	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C114	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C115	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C116	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT



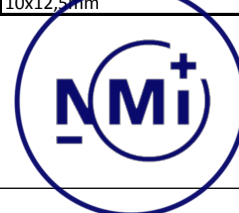
Vergleich sol637 x01 V1.2 zu V1.3

C117	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C200	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C201	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT		02-4679	CAPC 10µF 10% 25V X5R 0805 SMT
C202	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C203	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C204	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C205	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C206	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C208	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C212	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT		02-4679	CAPC 10µF 10% 25V X5R 0805 SMT
C213	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C215	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C216	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C217	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C218	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C221	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C222	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C225	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C226	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C300	n.b.	nicht bestückt		n.b.	nicht bestückt
C301	n.b.	nicht bestückt		n.b.	nicht bestückt
C302	n.b.	nicht bestückt		n.b.	nicht bestückt
C303	n.b.	nicht bestückt		n.b.	nicht bestückt
C304	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C305	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C306	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C307	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C308	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C309	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C400	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C401	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C402	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C403	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT



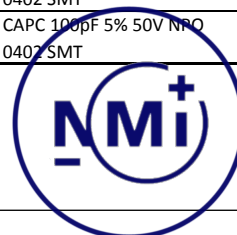
Vergleich sol637 x01 V1.2 zu V1.3

C408	02-3981	CAPC 1µF 10% 16V X5R 0402 SMT		02-3981	CAPC 1µF 10% 16V X5R 0402 SMT
C409	02-3981	CAPC 1µF 10% 16V X5R 0402 SMT		02-3981	CAPC 1µF 10% 16V X5R 0402 SMT
C500	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C501	32-6002	CAPE 220µF 20% 10V RM2,5 THT 10000h@105°C Z 6,3x11mm		32-6002	CAPE 220µF 20% 10V RM2,5 THT 10000h@105°C Z 6,3x11mm
C502	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C503	32-0441	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm		32-0441	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm
C504	02-1883	CAPC 220pF 10% 50V X7R 0402 SMT		02-1883	CAPC 220pF 10% 50V X7R 0402 SMT
C505	02-4850	CAPC 10µF 10% 50V X5R 1206 SMT		02-4850	CAPC 10µF 10% 50V X5R 1206 SMT
C506	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C507	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C508	32-6002	CAPE 220µF 20% 10V RM2,5 THT 10000h@105°C Z 6,3x11mm		32-6002	CAPE 220µF 20% 10V RM2,5 THT 10000h@105°C Z 6,3x11mm
C510	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C511	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C512	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C513	02-4850	CAPC 10µF 10% 50V X5R 1206 SMT		02-4850	CAPC 10µF 10% 50V X5R 1206 SMT
C514	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT		02-4679	CAPC 10µF 10% 25V X5R 0805 SMT
C515	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT		02-4679	CAPC 10µF 10% 25V X5R 0805 SMT
C516	02-4850	CAPC 10µF 10% 50V X5R 1206 SMT		02-4850	CAPC 10µF 10% 50V X5R 1206 SMT
C517	02-4850	CAPC 10µF 10% 50V X5R 1206 SMT		02-4850	CAPC 10µF 10% 50V X5R 1206 SMT
C518	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 1nF 10% 50V X7R 0402 SMT
C519	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT		02-1197	CAPC 1nF 10% 500V X7R 1206 SMT
C520	02-2870	CAPC 1nF 10% 500V X7R 1206 SMT		02-2870	CAPC 2,2nF 20% 500V Y5U Z RM9,5 THT
C521	32-0451	CAPC 2,2nF 20% 500V Y5U Z RM9,5 THT		32-0451	CAPC 2,2nF 20% 500V Y5U Z RM9,5 THT
C522	32-0451	CAPC 2,2nF 20% 500V Y5U Z RM9,5 THT		32-0451	CAPC 100nF 10% 50V X7R 0402 SMT
C523	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 1nF 10% 50V X7R 0402 SMT
C524	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT		02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C525	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT		02-1197	nicht bestückt
C526	n.b.	nicht bestückt		n.b.	nicht bestückt
C527	32-0441	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm		32-0441	CAPE 150µF 20% 50V 8000h@105°C RM5 THT lowimp 61mR Z 10x12,5mm



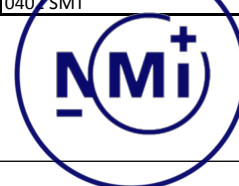
Vergleich sol637 x01 V1.2 zu V1.3

C600	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C601	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C602	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C603	02-4679	CAPC 10µF 10% 25V X5R 0805 SMT		02-4679	CAPC 10µF 10% 25V X5R 0805 SMT
C604	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C605	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C606	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C607	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C700	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C701	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT		02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C702	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C703	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT		02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C704	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C705	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT		02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C706	n.b.	nicht bestückt		n.b.	nicht bestückt
C707	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C708	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C710	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT		02-1197	CAPC 1nF 10% 50V X7R 0402 SMT
C800	n.b.	nicht bestückt		n.b.	nicht bestückt
C801	n.b.	nicht bestückt		n.b.	nicht bestückt
C802	n.b.	nicht bestückt		n.b.	nicht bestückt
C900	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C901	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C902	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C903	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C904	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C905	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C906	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C907	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C908	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C909	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C910	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C1000	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT



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C1003	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C1004	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C1100	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C1101	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C1102	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C1200	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C1202	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C1306	n.b.	nicht bestückt		n.b.	nicht bestückt
C1307	n.b.	nicht bestückt		n.b.	nicht bestückt
C1200_1	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C1200_2	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C1200_3	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C1202_1	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C1202_2	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C1202_3	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C1306_1	n.b.	nicht bestückt		n.b.	nicht bestückt
C1306_2	n.b.	nicht bestückt		n.b.	nicht bestückt
C1306_3	n.b.	nicht bestückt		n.b.	nicht bestückt
C1307_1	n.b.	nicht bestückt		n.b.	nicht bestückt
C1307_2	n.b.	nicht bestückt		n.b.	nicht bestückt
C1307_3	n.b.	nicht bestückt		n.b.	nicht bestückt
C200_1	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C200_2	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C200_3	n.b.	nicht bestückt		n.b.	nicht bestückt
C202_1	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C202_2	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C202_3	n.b.	nicht bestückt		n.b.	nicht bestückt
C215_1	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C215_2	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C216_1	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C216_2	02-2200	CAPC 10nF 10% 50V X7R 0402 SMT		02-2200	CAPC 10nF 10% 50V X7R 0402 SMT
C400_1	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C401_1	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C402_1	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT		02-4561	CAPC 100nF 10% 50V X7R 0402 SMT
C403_1	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT		02-1887	CAPC 100pF 5% 50V NPO 0402 SMT
C408_1	02-3981	CAPC 1µF 10% 16V X5R 0402 SMT		02-3981	CAPC 1µF 10% 16V X5R 0402 SMT



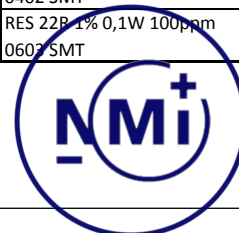
Vergleich sol637 x01 V1.2 zu V1.3

C409_1	02-3981	CAPC 1µF 10% 16V X5R 0402 SMT		02-3981	CAPC 1µF 10% 16V X5R 0402 SMT
D100	10-3880	IC IS25LP032D-JNLE -40/+105°C SO8-150-mil SMT Serial Flash Memory		10-3880	IC IS25LP032D-JNLE -40/+105°C SO8-150-mil SMT Serial Flash Memory
D301	06-3409	IC PCF8545 -40/+85°C TSSOP56 SMT LCD Driver		06-3409	IC PCF8545 -40/+85°C TSSOP56 SMT LCD Driver
D400	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D402	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D500	06-0016	IC SN74HC14 -40/+85°C Inverter SO14 SMT		06-0016	IC SN74HC14 -40/+85°C Inverter SO14 SMT
D501	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D800	n.b.	nicht bestückt		n.b.	nicht bestückt
D900	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D901	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D902	06-0351	IC SN75176BD 0/+70°C SO8 SMT Bustransceiver		06-0351	IC SN75176BD 0/+70°C SO8 SMT Bustransceiver
D903	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D904	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D905	n.b.	nicht bestückt		n.b.	nicht bestückt
D1000	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D1001	07-0970	IC TL431BIDBZ -40/+85°C SOT23-3 SMT Spannungsreferenz		07-0970	IC TL431BIDBZ -40/+85°C SOT23-3 SMT Spannungsreferenz
D1003	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D1301	n.b.	nicht bestückt		n.b.	nicht bestückt
D1301_1	n.b.	nicht bestückt		n.b.	nicht bestückt
D1301_2	n.b.	nicht bestückt		n.b.	nicht bestückt
D1301_3	n.b.	nicht bestückt		n.b.	nicht bestückt
D400_1	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
D402_1	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT		11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT
E500	05-2441-1	Li-Batt. 3V 1g 235mAh -Wh 20x3,2mm THT Li-Met		05-2441-1	Li-Batt. 3V 1g 235mAh -Wh 20x3,2mm THT Li-Met
G100	09-2025	CRYS 32,768kHz 12,5pF -ppm 7x1,5x1,4mm SMT 20ppm@25°C -40/+85°C		09-2025	CRYS 32,768kHz 12,5pF -ppm 7x1,5x1,4mm SMT 20ppm@25°C -40/+85°C
G200	09-2687	CRYS 16,384MHz 30pF 30ppm 11,4x4,9x4,3mm SMT 50ppm@25°C -40/+85°C		09-2687	CRYS 16,384MHz 30pF 30ppm 11,4x4,9x4,3mm SMT 50ppm@25°C -40/+85°C
G500	n.b.	nicht bestückt		n.b.	nicht bestückt
K1212	04-5187-1	Relais NO 277V 10A 12V 20x15x10,2mm THT		04-5187-1	Relais NO 277V 10A 12V 20x15x10,2mm THT
K1212_1	04-5187-1	Relais NO 277V 10A 12V 20x15x10,2mm THT		04-5187-1	Relais NO 277V 10A 12V 20x15x10,2mm THT
L500	04-1793	COIL 150µH 10% 460mR 600mA 7x7,8x5mm SMT		04-1793	COIL 150µH 10% 460mR 600mA 7x7,8x5mm SMT
L501	04-0797	COIL 6,5mH 50% 420mR 600mA 9,2x6x5mm SMT		04-0797	COIL 6,5mH 50% 420mR 600mA 9,2x6x5mm SMT
N500	11-8546	IC MC34063EBD -40/+125°C SO8 SMT Schaltregler		11-8546	IC MC34063EBD -40/+125°C SO8 SMT Schaltregler
N1000	11-2625-1	IC LM317MKTTPR 0/+125°C DPAK3 SMT Spannungsregler		11-2625-1	IC LM317MKTTPR 0/+125°C DPAK3 SMT Spannungsregler



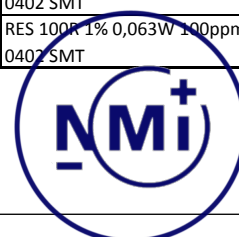
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R100	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R101	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R102	01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT		01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT
R103	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R104	01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT		01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT
R105	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT		01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R107	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT		01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT
R108	n.b.	nicht bestückt		n.b.	nicht bestückt
R109	n.b.	nicht bestückt		n.b.	nicht bestückt
R110	n.b.	nicht bestückt		n.b.	nicht bestückt
R111	n.b.	nicht bestückt		n.b.	nicht bestückt
R112	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT		01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT
R113	n.b.	nicht bestückt		n.b.	nicht bestückt
R200	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R201	01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT		01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT
R202	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT		01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R203	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R204	n.b.	nicht bestückt		n.b.	nicht bestückt
R205	01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT		01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT
R206	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R207	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT		01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R208	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT		01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT
R209	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT		01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R210	n.b.	nicht bestückt		n.b.	nicht bestückt
R211	n.b.	nicht bestückt		n.b.	nicht bestückt
R212	n.b.	nicht bestückt		n.b.	nicht bestückt
R213	n.b.	nicht bestückt		n.b.	nicht bestückt
R222	01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT		01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT
R224	01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT		01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT
R225	01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT		01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT
R300	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R301	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R302	01-0960	RES 100K 1% 0,1W 100ppm 0603 SMT		01-0960	RES 100K 1% 0,1W 100ppm 0603 SMT
R303	n.b.	nicht bestückt		n.b.	nicht bestückt
R304	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R305	01-0947	RES 22R 1% 0,1W 100ppm 0603 SMT		01-0947	RES 22R 1% 0,1W 100ppm 0603 SMT



Vergleich sol637 x01 V1.2 zu V1.3

R306	01-0898	RES 1M 1% 0,1W 100ppm 0603 SMT		01-0898	RES 1M 1% 0,1W 100ppm 0603 SMT
R307	01-0947	RES 22R 1% 0,1W 100ppm 0603 SMT		01-0947	RES 22R 1% 0,1W 100ppm 0603 SMT
R308	01-0947	RES 22R 1% 0,1W 100ppm 0603 SMT		01-0947	RES 22R 1% 0,1W 100ppm 0603 SMT
R400	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R401	01-0216	RES 100R 1% 0,25W 100ppm 1206 SMT		01-0216	RES 100R 1% 0,25W 100ppm 1206 SMT
R402	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT		01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT
R403	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R408	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT		01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT
R409	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT		01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT
R410	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R411	01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT		01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT
R412	01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT		01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT
R413	01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT		01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT
R414	01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT		01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT
R415	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R500	01-6750	RES 240mR 1% 0,5W 100ppm 1206 SMT		01-6750	RES 240mR 1% 0,5W 100ppm 1206 SMT
R501	01-1745	RES 24K 1% 0,1W 100ppm 0603 SMT		01-1745	RES 24K 1% 0,1W 100ppm 0603 SMT
R502	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R503	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R504	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT		01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT
R505	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT		01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT
R506	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R507	01-0960	RES 100K 1% 0,1W 100ppm 0603 SMT		01-0960	RES 100K 1% 0,1W 100ppm 0603 SMT
R508	01-0885	RES 22K 1% 0,1W 100ppm 0603 SMT		01-0885	RES 22K 1% 0,1W 100ppm 0603 SMT
R509	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT		01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT
R510	01-1309	RES 11K 1% 0,1W 100ppm 0603 SMT		01-1309	RES 11K 1% 0,1W 100ppm 0603 SMT
R511	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R512	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R513	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT		01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT
R514	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT		01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R515	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT		01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT



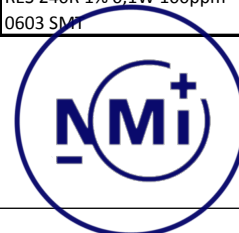
Vergleich sol637 x01 V1.2 zu V1.3

R516	n.b.	nicht bestückt		n.b.	nicht bestückt
R517	01-1890	RES OR x% 0,063W 200ppm 0402 SMT		01-1890	RES OR x% 0,063W 200ppm 0402 SMT
R518	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R600	01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT		01-1906	RES 100R 1% 0,063W 100ppm 0402 SMT
R601	n.b.	nicht bestückt		n.b.	nicht bestückt
R700	01-3661	RES 4,7M 1% 0,1W 100ppm 0603 SMT		01-3661	RES 4,7M 1% 0,1W 100ppm 0603 SMT
R701	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R702	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R703	01-3661	RES 4,7M 1% 0,1W 100ppm 0603 SMT		01-3661	RES 4,7M 1% 0,1W 100ppm 0603 SMT
R704	01-3661	RES 4,7M 1% 0,1W 100ppm 0603 SMT		01-3661	RES 4,7M 1% 0,1W 100ppm 0603 SMT
R705	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R706	n.b.	nicht bestückt		n.b.	nicht bestückt
R707	n.b.	nicht bestückt		n.b.	nicht bestückt
R708	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R710	01-3661	RES 4,7M 1% 0,1W 100ppm 0603 SMT		01-3661	RES 4,7M 1% 0,1W 100ppm 0603 SMT
R800	n.b.	nicht bestückt		n.b.	nicht bestückt
R801	n.b.	nicht bestückt		n.b.	nicht bestückt
R802	n.b.	nicht bestückt		n.b.	nicht bestückt
R803	n.b.	nicht bestückt		n.b.	nicht bestückt
R804	n.b.	nicht bestückt		n.b.	nicht bestückt
R805	01-1890	RES OR x% 0,063W 200ppm 0402 SMT		01-1890	RES OR x% 0,063W 200ppm 0402 SMT
R806	01-1890	RES OR x% 0,063W 200ppm 0402 SMT		01-1890	RES OR x% 0,063W 200ppm 0402 SMT
R900	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R901	01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT		01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT
R902	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R903	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT		01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT
R904	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R905	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT		01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT
R906	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R907	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R908	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R909	01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT		01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT
R910	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R911	01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT		01-0820	RES 220R 1% 0,1W 100ppm 0603 SMT
R912	01-3517-1	RES 1,8K 1% 0,063W 100ppm 0402 SMT		01-3517-1	RES 1,8K 1% 0,063W 100ppm 0402 SMT



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R913	01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT		01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT
R914	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R915	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R916	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R917	01-0884	RES 560R 1% 0,1W 100ppm 0603 SMT		01-0884	RES 560R 1% 0,1W 100ppm 0603 SMT
R918	01-0884	RES 560R 1% 0,1W 100ppm 0603 SMT		01-0884	RES 560R 1% 0,1W 100ppm 0603 SMT
R919	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R920	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1000	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1001	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT		01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R1002	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1003	01-3889	RES 270R 1% 0,063W 100ppm 0402 SMT		01-3889	RES 270R 1% 0,063W 100ppm 0402 SMT
R1004	01-3474	RES 220R 1% 0,063W 100ppm 0402 SMT		01-3474	RES 220R 1% 0,063W 100ppm 0402 SMT
R1005	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT		01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT
R1006	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT		01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT
R1007	01-3455	RES 22K 1% 0,063W 100ppm 0402 SMT		01-3455	RES 22K 1% 0,063W 100ppm 0402 SMT
R1008	01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT		01-1908	RES 10R 1% 0,063W 200ppm 0402 SMT
R1009	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT		01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT
R1010	01-2654	RES 27K 1% 0,063W 100ppm 0402 SMT		01-2654	RES 27K 1% 0,063W 100ppm 0402 SMT
R1011	01-2654	RES 27K 1% 0,063W 100ppm 0402 SMT		01-2654	RES 27K 1% 0,063W 100ppm 0402 SMT
R1012	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R1013	n.b.	nicht bestückt		n.b.	nicht bestückt
R1014	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1015	01-0607	RES 4,7K 1% 0,1W 100ppm 0603 SMT		01-0607	RES 4,7K 1% 0,1W 100ppm 0603 SMT
R1016	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1017	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1018	n.b.	nicht bestückt		n.b.	nicht bestückt
R1019	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT		01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT
R1020	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT		01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT
R1021	01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT		01-0489	RES 33K 1% 0,1W 100ppm 0603 SMT
R1022	01-1418	RES 240R 1% 0,1W 100ppm 0603 SMT		01-1418	RES 240R 1% 0,1W 100ppm 0603 SMT



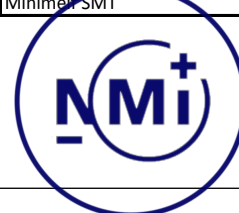
Vergleich sol637 x01 V1.2 zu V1.3

R1100	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
R1101	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1102	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R1103	01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT		01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT
R1200	01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT		01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT
R1202	01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT		01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT
R1203	01-0160	RES OR -% 0,25W xppm 1206 SMT		01-0160	RES OR -% 0,25W xppm 1206 SMT
R1204	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R1212	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R1214	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R1301	n.b.	nicht bestückt		n.b.	nicht bestückt
R1302	n.b.	nicht bestückt		n.b.	nicht bestückt
R1304	n.b.	nicht bestückt		n.b.	nicht bestückt
R1200_1	01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT		01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT
R1200_2	01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT		01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT
R1200_3	01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT		01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT
R1202_1	01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT		01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT
R1202_2	01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT		01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT
R1202_3	01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT		01-0596	RES 180R 1% 0,1W 100ppm 0603 SMT
R1203_1	01-0160	RES OR -% 0,25W xppm 1206 SMT		01-0160	RES OR -% 0,25W xppm 1206 SMT
R1203_2	01-0160	RES OR -% 0,25W xppm 1206 SMT		01-0160	RES OR -% 0,25W xppm 1206 SMT
R1203_3	01-0160	RES OR -% 0,25W xppm 1206 SMT		01-0160	RES OR -% 0,25W xppm 1206 SMT
R1204_1	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R1204_2	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R1204_3	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R1212_1	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R1214_1	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R1301_1	n.b.	nicht bestückt		n.b.	nicht bestückt
R1301_2	n.b.	nicht bestückt		n.b.	nicht bestückt
R1301_3	n.b.	nicht bestückt		n.b.	nicht bestückt
R1302_1	n.b.	nicht bestückt		n.b.	nicht bestückt
R1302_2	n.b.	nicht bestückt		n.b.	nicht bestückt
R1302_3	n.b.	nicht bestückt		n.b.	nicht bestückt
R1304_1	n.b.	nicht bestückt		n.b.	nicht bestückt
R1304_2	n.b.	nicht bestückt		n.b.	nicht bestückt
R1304_3	n.b.	nicht bestückt		n.b.	nicht bestückt



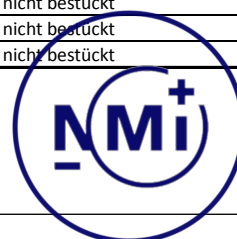
Vergleich sol637 x01 V1.2 zu V1.3

R200_1	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R200_2	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R200_3	n.b.	nicht bestückt		n.b.	nicht bestückt
R200_4	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R201_1	01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT		01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT
R201_2	01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT		01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT
R201_3	n.b.	nicht bestückt		n.b.	nicht bestückt
R202_1	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT		01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R202_2	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT		01-1890	RES 0R x% 0,063W 200ppm 0402 SMT
R202_3	n.b.	nicht bestückt		n.b.	nicht bestückt
R205_1	01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT		01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT
R205_2	01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT		01-1186	RES 15R 1% 0,25W 50ppm Minimelf SMT
R205_3	n.b.	nicht bestückt		n.b.	nicht bestückt
R206_1	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R206_2	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R206_3	n.b.	nicht bestückt		n.b.	nicht bestückt
R206_4	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R222_1	01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT		01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT
R222_2	01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT		01-0929	RES 100K 1% 0,25W 50ppm Minimelf SMT
R224_1	01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT		01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT
R224_2	01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT		01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT
R225_1	01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT		01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT
R225_2	01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT		01-0675	RES 220R 1% 0,25W 50ppm Minimelf SMT
R400_1	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R401_1	01-0216	RES 100R 1% 0,25W 100ppm 1206 SMT		01-0216	RES 100R 1% 0,25W 100ppm 1206 SMT
R402_1	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT		01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT
R403_1	01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT		01-1927	RES 1M 1% 0,063W 100ppm 0402 SMT
R408_1	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT		01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT
R409_1	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT		01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT
R410_1	01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT		01-1911	RES 1K 1% 0,063W 100ppm 0402 SMT
R411_1	01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT		01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT
R412_1	01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT		01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT
R413_1	01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT		01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT



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R414_1	01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT		01-0672	RES 22K 1% 0,25W 50ppm Minimelf SMT
R415_1	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT		01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT
RHB0	80-4000	Hilfstoffe SMT		80-4000	Hilfstoffe SMT
S100	05-3455	Taster 1-fach 180° 2,54mm pitch SMT		05-3455	Taster 1-fach 180° 2,54mm pitch SMT
S101	05-3455	Taster 1-fach 180° 2,54mm pitch SMT		05-3455	Taster 1-fach 180° 2,54mm pitch SMT
S102	05-3455	Taster 1-fach 180° 2,54mm pitch SMT		05-3455	Taster 1-fach 180° 2,54mm pitch SMT
S700	05-8332	Taster 1-fach 180° RMS,08 THT		05-8332	Taster 1-fach 180° RMS,08 THT
S701	05-8332	Taster 1-fach 180° RMS,08 THT		05-8332	Taster 1-fach 180° RMS,08 THT
SMT_Paste	80-2435	M705-GRN360-K1-V BAS992 Lötpaste bleifrei #17644 500 gr Dose		80-2435	M705-GRN360-K1-V BAS992 Lötpaste bleifrei #17644 500 gr Dose
T500	04-6570	TRAN 26,5x15,8x13,5mm SMT		04-6570	TRAN 26,5x15,8x13,5mm SMT
T900	08-8742	Fototransistor AA3528P3S 400µA PLCC2 SMT		08-8742	Fototransistor AA3528P3S 400µA PLCC2 SMT
TP1	n.b.	nicht bestückt		n.b.	nicht bestückt
TP2	n.b.	nicht bestückt		n.b.	nicht bestückt
TP100	n.b.	nicht bestückt		n.b.	nicht bestückt
TP101	n.b.	nicht bestückt		n.b.	nicht bestückt
TP102	n.b.	nicht bestückt		n.b.	nicht bestückt
TP103	n.b.	nicht bestückt		n.b.	nicht bestückt
TP104	n.b.	nicht bestückt		n.b.	nicht bestückt
TP200	n.b.	nicht bestückt		n.b.	nicht bestückt
TP201	n.b.	nicht bestückt		n.b.	nicht bestückt
TP202	n.b.	nicht bestückt		n.b.	nicht bestückt
TP203	n.b.	nicht bestückt		n.b.	nicht bestückt
TP204	n.b.	nicht bestückt		n.b.	nicht bestückt
TP205	n.b.	nicht bestückt		n.b.	nicht bestückt
TP206	n.b.	nicht bestückt		n.b.	nicht bestückt
TP207	n.b.	nicht bestückt		n.b.	nicht bestückt
TP208	n.b.	nicht bestückt		n.b.	nicht bestückt
TP400	n.b.	nicht bestückt		n.b.	nicht bestückt
TP401	n.b.	nicht bestückt		n.b.	nicht bestückt
TP402	n.b.	nicht bestückt		n.b.	nicht bestückt
TP501	n.b.	nicht bestückt		n.b.	nicht bestückt
TP502	n.b.	nicht bestückt		n.b.	nicht bestückt
TP503	n.b.	nicht bestückt		n.b.	nicht bestückt
TP504	n.b.	nicht bestückt		n.b.	nicht bestückt
TP505	n.b.	nicht bestückt		n.b.	nicht bestückt
TP506	n.b.	nicht bestückt		n.b.	nicht bestückt
TP507	n.b.	nicht bestückt		n.b.	nicht bestückt
TP508	n.b.	nicht bestückt		n.b.	nicht bestückt
TP509	n.b.	nicht bestückt		n.b.	nicht bestückt
TP510	n.b.	nicht bestückt		n.b.	nicht bestückt
TP511	n.b.	nicht bestückt		n.b.	nicht bestückt
TP512	n.b.	nicht bestückt		n.b.	nicht bestückt
TP700	n.b.	nicht bestückt		n.b.	nicht bestückt
TP701	n.b.	nicht bestückt		n.b.	nicht bestückt
TP702	n.b.	nicht bestückt		n.b.	nicht bestückt
TP703	n.b.	nicht bestückt		n.b.	nicht bestückt
TP704	n.b.	nicht bestückt		n.b.	nicht bestückt
TP705	n.b.	nicht bestückt		n.b.	nicht bestückt
TP900	n.b.	nicht bestückt		n.b.	nicht bestückt
TP902	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1100	n.b.	nicht bestückt		n.b.	nicht bestückt



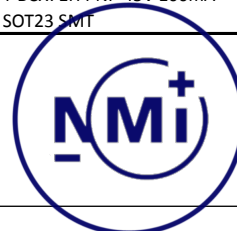
Vergleich sol637 x01 V1.2 zu V1.3

TP1101	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1102	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1200	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1201	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1202	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1203	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1204	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1205	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1206	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1207	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1208	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1209	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1210	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1212	n.b.	nicht bestückt		n.b.	nicht bestückt
TP1213	n.b.	nicht bestückt		n.b.	nicht bestückt
U1200	04-6347	Halbleiterrelais NO 400V 140mA SMD 6 SMT 5V		04-6347	Halbleiterrelais NO 400V 140mA SMD 6 SMT 5V
U1200_1	04-6347	Halbleiterrelais NO 400V 140mA SMD 6 SMT 5V		04-6347	Halbleiterrelais NO 400V 140mA SMD 6 SMT 5V
U1200_2	04-6347	Halbleiterrelais NO 400V 140mA SMD 6 SMT 5V		04-6347	Halbleiterrelais NO 400V 140mA SMD 6 SMT 5V
U1200_3	04-6347	Halbleiterrelais NO 400V 140mA SMD 6 SMT 5V		04-6347	Halbleiterrelais NO 400V 140mA SMD 6 SMT 5V
V100	08-1485	LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm		08-1485	LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm
V101	08-1274	DIO BAS40-04 40V 200mA uni SOT23 SMT		08-1274	DIO BAS40-04 40V 200mA uni SOT23 SMT
V102	08-1274	DIO BAS40-04 40V 200mA uni SOT23 SMT		08-1274	DIO BAS40-04 40V 200mA uni SOT23 SMT
V103	08-1485	LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm		08-1485	LED KPTL-3216SURCK 1-fach rot 1206 SMT 645nm
V200	07-3930	IC ATM90E36A-AU -40/+85°C TQFP48 SMT Energy Metering		07-3930	IC ATM90E36A-AU -40/+85°C TQFP48 SMT Energy Metering
V300	08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT		08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT
V301	08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm		08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm
V302	08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm		08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm
V303	08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm		08-5723	LED LWQ38E-Q1S2-3K6L-1 1-fach 0603 SMT weiss -nm
V304	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V400	08-1108-1	GL MB4S 280V 500mA 4,9x3x4,2mm SMT		08-1108-1	GL MB4S 280V 500mA 4,9x3x4,2mm SMT
V401	08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT		08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT
V402	08-1843-1	DIO SMAJ30A 30V 8,3A uni SMA SMT		08-1843-1	DIO SMAJ30A 30V 8,3A uni SMA SMT
V403	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V408	08-2189	DIO S1M 1kV 1A uni DO214AC SMT		08-2189	DIO S1M 1kV 1A uni DO214AC SMT
V500	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT		08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V501	08-0678-3	DIO BAV103 200V 500mA uni Minimelf SMT		08-0678-3	DIO BAV103 200V 500mA uni Minimelf SMT
V502	08-0842-1	DIO ES1D 200V 1A uni SMA SMT		08-0842-1	DIO ES1D 200V 1A uni SMA SMT
V503	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT		08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT



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V504	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT		08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT
V505	08-1274	DIO BAS40-04 40V 200mA uni SOT23 SMT		08-1274	DIO BAS40-04 40V 200mA uni SOT23 SMT
V506	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT		08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V507	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT		08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V508	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT		08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V509	08-1274	DIO BAS40-04 40V 200mA uni SOT23 SMT		08-1274	DIO BAS40-04 40V 200mA uni SOT23 SMT
V510	n.b.	nicht bestückt		n.b.	nicht bestückt
V511	08-1618	DIO MBRA340T3 40V 1,5A uni SMA SMT		08-1618	DIO MBRA340T3 40V 1,5A uni SMA SMT
V512	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT		08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V513	08-1434	T BSP296 N-Kanal 100V 1A SOT223 SMT		08-1434	T BSP296 N-Kanal 100V 1A SOT223 SMT
V514	08-4149	DIOZ TZMC39GS08 39V 2,5mA Minimelf SMT		08-4149	DIOZ TZMC39GS08 39V 2,5mA Minimelf SMT
V515	n.b.	nicht bestückt		n.b.	nicht bestückt
V516	n.b.	nicht bestückt		n.b.	nicht bestückt
V517	n.b.	nicht bestückt		n.b.	nicht bestückt
V518	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT		08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V600	08-0621-3	DIO BAV170 60V 125mA uni SOT23 SMT		08-0621-3	DIO BAV170 60V 125mA uni SOT23 SMT
V700	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT		08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V701	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT		08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT
V702	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT		08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V703	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V704	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT		08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V705	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT		08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT
V706	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT		08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V707	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V708	n.b.	nicht bestückt		n.b.	nicht bestückt
V709	n.b.	nicht bestückt		n.b.	nicht bestückt
V714	n.b.	nicht bestückt		n.b.	nicht bestückt
V900	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT		08-1152	T BCX71H PNP 45V 100mA SOT23 SMT
V901	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V902	08-0749	DIOZ TZMC12 12V 39mA Minimelf SMT		08-0749	DIOZ TZMC12 12V 39mA Minimelf SMT
V903	08-4505	DIOZ BZV55C6V8 6,8V 250mA Minimelf SMT		08-4505	DIOZ BZV55C6V8 6,8V 250mA Minimelf SMT
V904	08-0749	DIOZ TZMC12 12V 39mA Minimelf SMT		08-0749	DIOZ TZMC12 12V 39mA Minimelf SMT
V905	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V906	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT		08-1152	T BCX71H PNP 45V 100mA SOT23 SMT



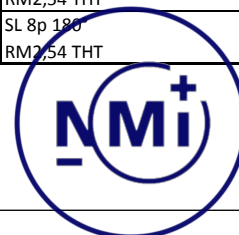
Vergleich sol637 x01 V1.2 zu V1.3

V907	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V908	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V909	08-8479	IRLED SFH 4059 1-fach 860nm 1,6x3,2x1,8mm SMT A		08-8479	IRLED SFH 4059 1-fach 860nm 1,6x3,2x1,8mm SMT A
V910	08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT		08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT
V911	08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT		08-1107	DIO LL4150GS08 50V 600mA uni Minimelf SMT
V912	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT		08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT
V913	08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT		08-0275	T BSS84 P-Kanal 60V 130mA SOT23 SMT
V914	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V1000	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT		08-1152	T BCX71H PNP 45V 100mA SOT23 SMT
V1001	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V1002	08-1507	DIO BAV199 75V 160mA uni SOT23 SMT		08-1507	DIO BAV199 75V 160mA uni SOT23 SMT
V1003	08-0844	DIO P6SMBJ40CA 40V 9,3A bi SMB SMT		08-0844	DIO P6SMBJ40CA 40V 9,3A bi SMB SMT
V1004	08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT		08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT
V1005	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V1006	08-1152	T BCX71H PNP 45V 100mA SOT23 SMT		08-1152	T BCX71H PNP 45V 100mA SOT23 SMT
V1007	n.b.	nicht bestückt		n.b.	nicht bestückt
V1100	08-0593	T BC807-40 PNP 45V 500mA SOT23 SMT		08-0593	T BC807-40 PNP 45V 500mA SOT23 SMT
V1101	08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT		08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT
V1102	08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT		08-0503	T BSS123 N-Kanal 100V 170mA SOT23 SMT
V1200	08-8481	DIO SMCJ300CA 300V 3,1A bi DO214AB SMT		08-8481	DIO SMCJ300CA 300V 3,1A bi DO214AB SMT
V1202	08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT		08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT
V1204	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V1212	08-1120	DIO BAS40-05 40V 120mA uni SOT23 SMT		08-1120	DIO BAS40-05 40V 120mA uni SOT23 SMT
V1214	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V1216	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V1318	n.b.	nicht bestückt		n.b.	nicht bestückt
V1319	n.b.	nicht bestückt		n.b.	nicht bestückt
V1320	n.b.	nicht bestückt		n.b.	nicht bestückt
V1200_1	08-8481	DIO SMCJ300CA 300V 3,1A bi DO214AB SMT		08-8481	DIO SMCJ300CA 300V 3,1A bi DO214AB SMT
V1200_2	08-8481	DIO SMCJ300CA 300V 3,1A bi DO214AB SMT		08-8481	DIO SMCJ300CA 300V 3,1A bi DO214AB SMT
V1200_3	08-8481	DIO SMCJ300CA 300V 3,1A bi DO214AB SMT		08-8481	DIO SMCJ300CA 300V 3,1A bi DO214AB SMT
V1202_1	08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT		08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT
V1202_2	08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT		08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT



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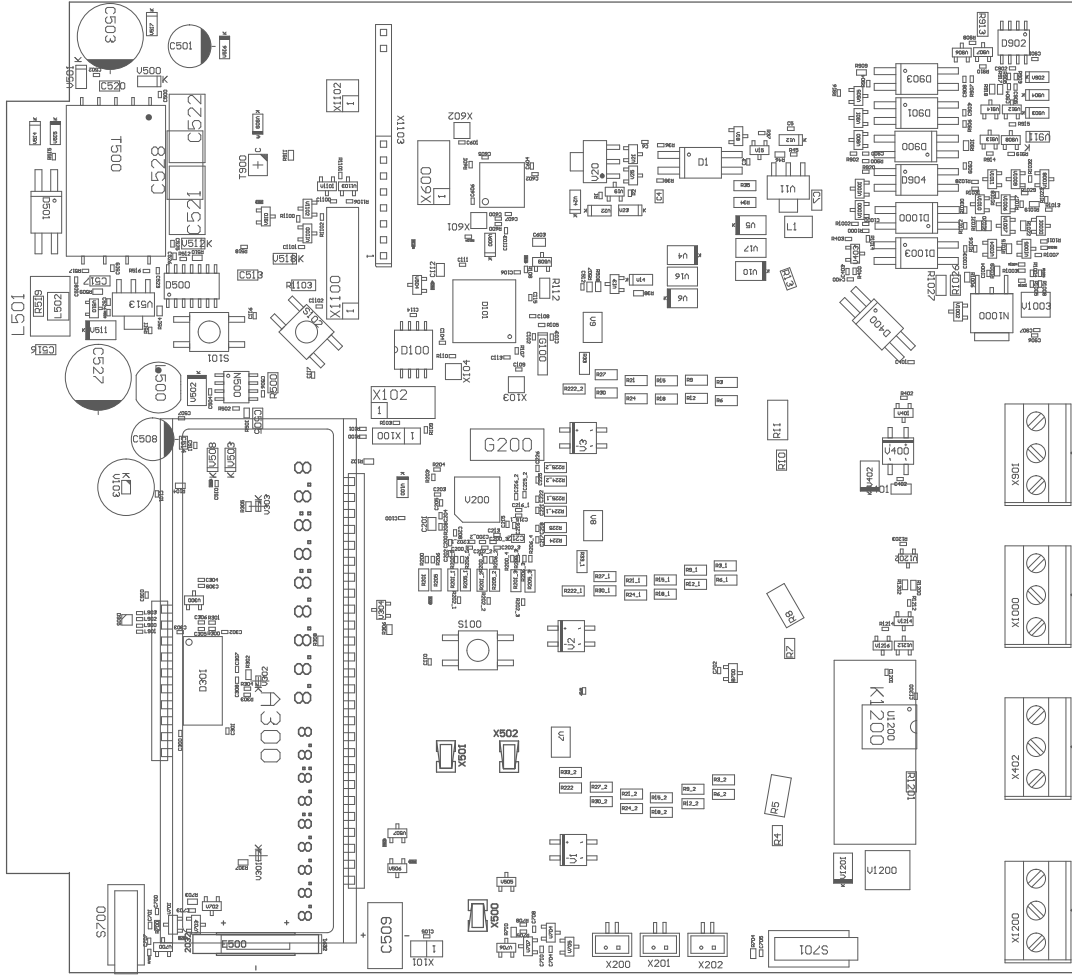
V1202_3	08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT		08-5105	DIO SMAJ33A/11 33V 7,5A uni DO214AC SMT
V1204_1	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V1204_2	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V1204_3	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V1212_1	08-1120	DIO BAS40-05 40V 120mA uni SOT23 SMT		08-1120	DIO BAS40-05 40V 120mA uni SOT23 SMT
V1214_1	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V1216_1	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V1318_1	n.b.	nicht bestückt		n.b.	nicht bestückt
V1318_2	n.b.	nicht bestückt		n.b.	nicht bestückt
V1318_3	n.b.	nicht bestückt		n.b.	nicht bestückt
V1319_1	n.b.	nicht bestückt		n.b.	nicht bestückt
V1319_2	n.b.	nicht bestückt		n.b.	nicht bestückt
V1319_3	n.b.	nicht bestückt		n.b.	nicht bestückt
V1320_1	n.b.	nicht bestückt		n.b.	nicht bestückt
V1320_2	n.b.	nicht bestückt		n.b.	nicht bestückt
V1320_3	n.b.	nicht bestückt		n.b.	nicht bestückt
V400_1	08-1108-1	GL MB4S 280V 500mA 4,9x3x4,2mm SMT		08-1108-1	GL MB4S 280V 500mA 4,9x3x4,2mm SMT
V401_1	08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT		08-0180	T BC817-40 NPN 45V 0,5A SOT23 SMT
V402_1	08-1843-1	DIO SMAJ30A 30V 8,3A uni SMA SMT		08-1843-1	DIO SMAJ30A 30V 8,3A uni SMA SMT
V403_1	08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT		08-4557-1	T 2N7002K N-Kanal 60V 300mA SOT23 SMT
V408_1	08-2189	DIO S1M 1kV 1A uni DO214AC SMT		08-2189	DIO S1M 1kV 1A uni DO214AC SMT
X100	n.b.	nicht bestückt		n.b.	nicht bestückt
X101	03-0088-9	SL 2p 180° RM2,54 THT		03-0088-9	SL 2p 180° RM2,54 THT
X102	n.b.	nicht bestückt		n.b.	nicht bestückt
X200	03-2780	BL 2x9p 180° Buchsenleiste 2,54mm pitch SMT		03-2780	BL 2x9p 180° Buchsenleiste 2,54mm pitch SMT
X201	n.b.	nicht bestückt		n.b.	nicht bestückt
X202	n.b.	nicht bestückt		n.b.	nicht bestückt
X400	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT		24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT
X401	24-1999	KL 2x3p 90° Schraubklemme Blau RM5,08 THT		24-1999	KL 2x3p 90° Schraubklemme Blau RM5,08 THT
X402	n.b.	nicht bestückt		n.b.	nicht bestückt
X500	05-4686	Befestigungselement Feder 5x3x4mm SMT		05-4686	Befestigungselement Feder 5x3x4mm SMT
X501	05-4686	Befestigungselement Feder 5x3x4mm SMT		05-4686	Befestigungselement Feder 5x3x4mm SMT
X502	05-4686	Befestigungselement Feder 5x3x4mm SMT		05-4686	Befestigungselement Feder 5x3x4mm SMT
X600	n.b.	nicht bestückt		n.b.	nicht bestückt
X800	n.b.	nicht bestückt		n.b.	nicht bestückt
X801	n.b.	nicht bestückt		n.b.	nicht bestückt
X900	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT		24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT
X901	n.b.	nicht bestückt		n.b.	nicht bestückt
X1101	03-2680	SL 6p 180° RM2,54 THT		03-2680	SL 6p 180° RM2,54 THT
X1103	03-0451-2	SL 8p 180° RM2,54 THT		03-0451-2	SL 8p 180° RM2,54 THT



Vergleich sol637 x01 V1.2 zu V1.3

X1200	24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT		24-2000	KL 2x3p 90° Schraubklemme Blau RM5,08 THT
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Legende

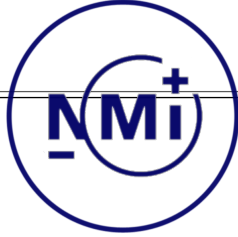


Project Name: MCS301-U2.0_20170908_PcbDoc
 Last Change: 21.09.2017
 Revision No.: Ver1.0
 Design Path:

Designed by: [Name]
 Checked by: [Name]

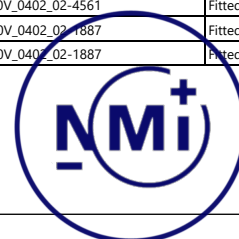
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 Timer: 12:53:09

Customer: **MetCom**
 Systems GmbH



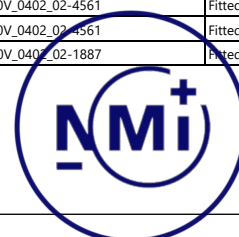
MCS301-V2.0.2_20171026

Partnumber	Designato	Description	Footprint	LibRef	Fitted	Comment
05-1472	A300	05-1472 - LCD-Display Adcom-FT1612009P00_Yeebo-	LCD-Display - Yeebo-FL9083PA1_Adcom	LCD-DisplayAdcom-FT1612009P00_Yeebo-	Fitted	LCD_Display
11-7114-1	B700	11-7114-1 - AH1809-WG-7	SOT23-3L	AH1809-WG-7_11-7114-1	Fitted	AH1809-WG-7
32-4397	C1	32-4397 - THT Elko RM7.5 - 1800µF 35V_geschnitten	ECAP_CUP_D18_RM7.5_H20	1800µF_35V_THT_32-4397	Fitted	1800µF/35V
32-4397	C2	32-4397 - THT Elko RM7.5 - 1800µF 35V_geschnitten	ECAP_CUP_D18_RM7.5_H20	1800µF_35V_THT_32-4397	Fitted	1800µF/35V
02-1887	C3	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-3016	C4	02-3016 - SMD Capacitor 0805 1µF 50V Y5V	CAP_0805_IPC_B	1µF_50V_0805_02-3016	Fitted	1µF/50V
02-1197	C5	02-1197 - SMD Capacitor 0402 1nF 50V X7R	CAP_0402	1nF_50V_0402_02-1197	Fitted	1nF/50V
02-4561	C6	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-0279	C7	02-0279 - SMD Capacitor 1206 1nF 50V COG	CAP_1206_IPC_B	1nF_50V_1206_02-0279	Fitted	1nF/50V
02-4561	C100	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C101	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1904-3	C102	02-1904-3 - SMD Capacitor 0402 10pF 50V NPO	CAP_0402_IPC_B	10pF_50V_0402_02-1904-3	Fitted	10pF/50V
02-1904-3	C103	02-1904-3 - SMD Capacitor 0402 10pF 50V NPO	CAP_0402_IPC_B	10pF_50V_0402_02-1904-3	Fitted	10pF/50V
02-4561	C104	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C105	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C106	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-2200	C108	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-4561	C109	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C110	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C111	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4679	C112	02-4679 - SMD Capacitor 0805 10µF 25V X5R	CAP_0805_IPC_B	10µF_25V_0805_02-4679	Fitted	10µF/25V
02-4561	C113	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C114	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C115	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C116	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C117	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-2200	C200	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C200_1	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C200_2	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C200_3	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-4679	C201	02-4679 - SMD Capacitor 0805 10µF 25V X5R	CAP_0805_IPC_B	10µF_25V_0805_02-4679	Fitted	10µF/25V
02-2200	C202	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C202_1	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C202_2	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C202_3	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-4561	C203	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C204	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C205	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C208	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4679	C212	02-4679 - SMD Capacitor 0805 10µF 25V X5R	CAP_0805_IPC_B	10µF_25V_0805_02-4679	Fitted	10µF/25V
02-4561	C213	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-2200	C215	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C215_1	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C215_2	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C216	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C216_1	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-2200	C216_2	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-1887	C217	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C218	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C221	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C222	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C225	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C226	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C300	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Not Fitted	100pF/50V
02-1887	C301	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Not Fitted	100pF/50V
02-1887	C302	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Not Fitted	100pF/50V
02-1887	C303	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Not Fitted	100pF/50V
02-4561	C304	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1887	C305	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C306	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-4561	C307	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C308	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C309	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1887	C400	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C401	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V



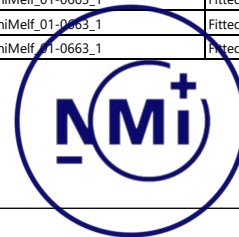
MCS301-V2.0.2_20171026

02-4561	C402	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1887	C403	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-4561	C500	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
32-6002	C501	32-6002 - Nichicon ULD1A221MED1TD	ECAP_CUP_D6.3_RM2.5_H11	220µF_10V_RM2.50_32-6002	Fitted	220µF/10V
02-4561	C502	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
32-0441	C503	32-0441 - Nichicon UHE1H151MPD	ECAP_CUP_D10_RM5_H12.5	150µF_50V_RM5_32-0441	Fitted	150µF/50V
02-1883	C504	02-1883 - SMD Capacitor 0402 220pF 50V X7R	CAP_0402_IPC_B	220pF_50V_0402_02-1883	Fitted	220pF/50V
02-4850	C505	02-4850 - SMD Capacitor 1206 10µF 50V X5R	CAP_1206_IPC_B - mod_1.2mm	10µF_50V_1206_02-4850	Fitted	10µF/50V
02-4561	C506	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C507	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
32-6002	C508	32-6002 - Nichicon ULD1A221MED1TD	ECAP_CUP_D6.3_RM2.5_H11	220µF_10V_RM2.50_32-6002	Fitted	220µF/10V
02-2247	C509	02-2247 - THT Gold Capacitor D10.5xH11.5 RM5	CAP_CUP_D10.50_RM5.00_GOLDCAP_STE	220µF_5.5V_THT_02-2247	Fitted	220µF/5.5V
02-4561	C510	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C511	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-2200	C512	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-4850	C513	02-4850 - SMD Capacitor 1206 10µF 50V X5R	CAP_1206_IPC_B - mod_1.2mm	10µF_50V_1206_02-4850	Fitted	10µF/50V
02-4679	C514	02-4679 - SMD Capacitor 0805 10µF 25V X5R	CAP_0805_IPC_B	10µF_25V_0805_02-4679	Fitted	10µF/25V
02-4850	C516	02-4850 - SMD Capacitor 1206 10µF 50V X5R	CAP_1206_IPC_B - mod_1.2mm	10µF_50V_1206_02-4850	Fitted	10µF/50V
02-4850	C517	02-4850 - SMD Capacitor 1206 10µF 50V X5R	CAP_1206_IPC_B - mod_1.2mm	10µF_50V_1206_02-4850	Fitted	10µF/50V
02-4561	C518	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1197	C519	02-1197 - SMD Capacitor 0402 1nF 50V X7R	CAP_0402	1nF_50V_0402_02-1197	Fitted	1nF/50V
02-2870	C520	02-2870 - SMD Capacitor 1206 1nF 500V X7R	CAP_1206_IPC_B	1nF_500V_1206_02-2870	Fitted	1nF/500V
02-4118	C521	02-4118 - THT Capacitor Disc RM9.5 2.2nF 500V Y1	CAP_DISC_RM9.5	2.2nF_500V_RM9.5_02-4118	Not Fitted	2.2nF/500V/Y1
02-4118	C522	02-4118 - THT Capacitor Disc RM9.5 2.2nF 500V Y1	CAP_DISC_RM9.5	2.2nF_500V_RM9.5_02-4118	Not Fitted	2.2nF/500V/Y1
02-4561	C523	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1197	C524	02-1197 - SMD Capacitor 0402 1nF 50V X7R	CAP_0402	1nF_50V_0402_02-1197	Fitted	1nF/50V
02-1197	C525	02-1197 - SMD Capacitor 0402 1nF 50V X7R	CAP_0402	1nF_50V_0402_02-1197	Not Fitted	1nF/50V
02-1197	C526	02-1197 - SMD Capacitor 0402 1nF 50V X7R	CAP_0402	1nF_50V_0402_02-1197	Fitted	1nF/50V
32-0441	C527	32-0441 - Nichicon UHE1H151MPD	ECAP_CUP_D10_RM5_H12.5	150µF_50V_RM5_32-0441	Fitted	150µF/50V
02-4118	C528	02-4118 - THT Capacitor Disc RM9.5 2.2nF 500V Y1	CAP_DISC_RM9.5	2.2nF_500V_RM9.5_02-4118	Fitted	2.2nF/500V/Y1
02-2200	C600	02-2200 - SMD Capacitor 0402 10nF 50V X7R	CAP_0402_IPC_B	10nF_50V_0402_02-2200	Fitted	10nF/50V
02-4561	C601	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C602	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4679	C603	02-4679 - SMD Capacitor 0805 10µF 25V X5R	CAP_0805_IPC_B	10µF_25V_0805_02-4679	Fitted	10µF/25V
02-4561	C604	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C605	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C606	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C607	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C700	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1197	C701	02-1197 - SMD Capacitor 0402 1nF 50V X7R	CAP_0402	1nF_50V_0402_02-1197	Fitted	1nF/50V
02-4561	C702	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1197	C703	02-1197 - SMD Capacitor 0402 1nF 50V X7R	CAP_0402	1nF_50V_0402_02-1197	Fitted	1nF/50V
02-4561	C704	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1197	C705	02-1197 - SMD Capacitor 0402 1nF 50V X7R	CAP_0402	1nF_50V_0402_02-1197	Fitted	1nF/50V
02-4561	C707	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C708	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1197	C710	02-1197 - SMD Capacitor 0402 1nF 50V X7R	CAP_0402	1nF_50V_0402_02-1197	Fitted	1nF/50V
02-1887	C900	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-4561	C901	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1887	C902	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C903	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C904	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C905	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C906	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C907	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C908	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C909	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-4561	C910	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1887	C1000	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-1887	C1003	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
02-4561	C1004	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C1100	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C1101	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C1102	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-4561	C1103	02-4561 - SMD Capacitor 0402 100nF 50V X7R	CAP_0402_IPC_B	100nF_50V_0402_02-4561	Fitted	100nF/50V
02-1887	C1200	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V

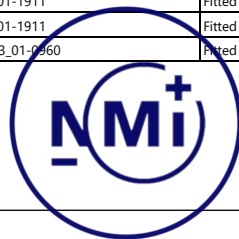


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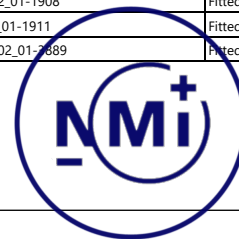
02-1887	C1201	02-1887 - SMD Capacitor 0402 100pF 50V NPO	CAP_0402_IPC_B	100pF_50V_0402_02-1887	Fitted	100pF/50V
11-8673-1	D1	11-8673-1 Optokoppler SMD4 1fach 5kV	SMD4_PITCH2.54_WIDE	PC123X1YUP0F_11-8673-1	Fitted	PC123X1YUP0F
10-3034_1	D100	10-3034_1_MX25L1606EM2I- Serial Flash SO8 Wide	SO8_KOMBI_WIDE_208mil_NARROW	MX25L1606EM2I_10-3034_1	Fitted	MX25L1606EM2I
07-1683	D101	07-1683 - STM32F051R8T6 QFP64	LQFP50P1200X1200X160-64N	STM32F051R8T6_07-1683	Fitted	STM32F051R8T6
06-3409	D301	06-3409 - Universal LCD Driver, TSSOP-56	TSSOP56_14.0x6.1_PITCH0.5_TSSOP50P8	PCF8545ATT/AJ_06-3409	Fitted	PCF8545
11-8673-1	D400	11-8673-1 Optokoppler SMD4 1fach 5kV	SMD4_PITCH2.54_WIDE	PC123X1YUP0F_11-8673-1	Fitted	PC123X1YUP0F
06-0016	D500	06-0016 - Schmitt-Trigger Inverter 5V 0-5V SO14	SOIC127P600X175-14N	74HC14_06-0016	Fitted	74HC14
11-8673-1	D501	11-8673-1 Optokoppler SMD4 1fach 5kV	SMD4_PITCH2.54_WIDE	PC123X1YUP0F_11-8673-1	Fitted	PC123X1YUP0F
07-3929_1	D600	07-3929_1 - STM32F401CEU6, QFN48	QFN50P700X700X60_HS-49N	STM32F401CEU6_07-3929_1	Fitted	STM32F401CEU6
11-8673-1	D900	11-8673-1 Optokoppler SMD4 1fach 5kV	SMD4_PITCH2.54_WIDE	PC123X1YUP0F_11-8673-1	Fitted	PC123X1YUP0F
11-8673-1	D901	11-8673-1 Optokoppler SMD4 1fach 5kV	SMD4_PITCH2.54_WIDE	PC123X1YUP0F_11-8673-1	Fitted	PC123X1YUP0F
06-0351	D902	06-0351 - Differential Bus Transceivers	SO8_127P600X176-8N	SN75176BDR_06-0351	Fitted	SN75176BDR
11-8673-1	D903	11-8673-1 Optokoppler SMD4 1fach 5kV	SMD4_PITCH2.54_WIDE	PC123X1YUP0F_11-8673-1	Fitted	PC123X1YUP0F
11-8673-1	D904	11-8673-1 Optokoppler SMD4 1fach 5kV	SMD4_PITCH2.54_WIDE	PC123X1YUP0F_11-8673-1	Fitted	PC123X1YUP0F
07-3716	D905	07-3716 - SL3S4011	TQFN8_0.5_NXP	SL3S4011_07-3716	Fitted	SL3S4011
11-8673-1	D1000	11-8673-1 Optokoppler SMD4 1fach 5kV	SMD4_PITCH2.54_WIDE	PC123X1YUP0F_11-8673-1	Fitted	PC123X1YUP0F
07-0970	D1001	07-0970 - Spannungsreferenz 2.495V 0.1A SOT23-3	SOT23-3L	TL431BIDBZ_07-0970	Fitted	TL431B
11-8673-1	D1003	11-8673-1 Optokoppler SMD4 1fach 5kV	SMD4_PITCH2.54_WIDE	PC123X1YUP0F_11-8673-1	Fitted	PC123X1YUP0F
05-2441-1	E500	05-2441-1 - Knopfzelle CR2032 MFR 3V 225mAh Lithium	BATTERIE_TH_TSTEHEHND_KOMBI_CR1632	CR-2032RV-L_3V_225mAh_05-2441-1	Fitted	CR2032
09-2025	G100	09-2025 - Quarz 32.768kHz	QUARTZ_7x1.5MM_SMT	Q_32.768kHz_09-2025	Fitted	32.768kHz
09-2687	G200	09-2687 - Quarz HC49SMD	HC49-SMD	Q_16.384MHz_09-2687	Fitted	16.384MHz
05-9055_1	G500	05-9055_1 - Batterie ER 1/2 AA PCBDD 10.0 N		ER_1/2_AA_PCBDD_10.0_N_05-9055_1	Not Fitted	Batterie 1/2 AA
88-888888	K1200	88-888888 - THT Relais Hongfa	RELAIS_Combi_HFE_FJI-JE_Metcom_MCS3	Relais_Hongfa_88-888888	Fitted	HFE7/12-1HSTG-L2
04-5001	L1	04-5001_Ind_SMT_WE_GF_unpol_1000µH_30mA_74476	WUERTH_WE-GF_4.5x3.2x3.2	Ind_74476630_04-5001	Fitted	1000µH/30mA
04-3373	L500	04-3373 - SPEICHERDROSSEL WE-PD2	WUERTH_WE-PD2_7.0x7.8mm	Spule_330µH_0.43A_04-3373	Fitted	330µH/0.43A
04-0797	L501	04-0797 - Stromkomp. Drossel WE-SL2, 9.2x6mm.	WUERTH_WE-SL2_OHNE_PINI_KENNUNG	Spule_6.5mH_0.4A_04-0797	Fitted	6.5mH/0.4A
04-5001	L502	04-5001_Ind_SMT_WE_GF_unpol_1000µH_30mA_74476	WUERTH_WE-GF_4.5x3.2x3.2	Ind_74476630_04-5001	Not Fitted	1000µH/30mA
04-4418	L900	04-4418 - Ferrit 1000R@100MHz 200mA 0402	IND_0402_Murata	Ferrit_1000R@100MHz_04-4418	Fitted	1000R@100MHz/200mA
04-4418	L901	04-4418 - Ferrit 1000R@100MHz 200mA 0402	IND_0402_Murata	Ferrit_1000R@100MHz_04-4418	Fitted	1000R@100MHz/200mA
04-4418	L902	04-4418 - Ferrit 1000R@100MHz 200mA 0402	IND_0402_Murata	Ferrit_1000R@100MHz_04-4418	Fitted	1000R@100MHz/200mA
04-4418	L903	04-4418 - Ferrit 1000R@100MHz 200mA 0402	IND_0402_Murata	Ferrit_1000R@100MHz_04-4418	Fitted	1000R@100MHz/200mA
11-8546	N500	11-8546 - DC/DC converter control circuit SO8	SO8_127P600X176-8N	MC34063EBD_11-8546	Fitted	MC34063EBD
11-2625-1	N1000	11-2625-1 - Adj. - Voltage Regulator 0.5 A	T0252_TS-003_RLP235A_123	LM317MDT_11-2625-1	Fitted	LM317MDT
01-1907	R1	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1911	R2	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-0672-2	R3	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R3_1	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R3_2	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0160	R4	01-0160 - SMD Resistor 1206 0.25W 5%	RES_1206_IPC_B	0R_1206_01-0160	Fitted	0R
01-6399	R5	01-6399 - SMD Resistor 2512 - 1W - 1%	RES_2512_IPC_B	1R_2512_01-6399	Fitted	1R
01-0663_1	R6	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R6_1	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R6_2	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0160	R7	01-0160 - SMD Resistor 1206 0.25W 5%	RES_1206_IPC_B	0R_1206_01-0160	Fitted	0R
01-6399	R8	01-6399 - SMD Resistor 2512 - 1W - 1%	RES_2512_IPC_B	1R_2512_01-6399	Fitted	1R
01-0672-2	R9	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R9_1	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R9_2	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0160	R10	01-0160 - SMD Resistor 1206 0.25W 5%	RES_1206_IPC_B	0R_1206_01-0160	Fitted	0R
01-6399	R11	01-6399 - SMD Resistor 2512 - 1W - 1%	RES_2512_IPC_B	1R_2512_01-6399	Fitted	1R
01-0663_1	R12	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R12_1	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R12_2	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0160	R13	01-0160 - SMD Resistor 1206 0.25W 5%	RES_1206_IPC_B	0R_1206_01-0160	Fitted	0R
01-0672-2	R15	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R15_1	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R15_2	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0663_1	R18	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R18_1	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R18_2	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0672-2	R21_1	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R21_2	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	22k_Minimelf_01-0672-2	Fitted	22k/50ppm
01-0663_1	R24	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R24_1	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R24_2	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_Minimelf_3514N - ISO2mm	100k_Minimelf_01-0663_1	Fitted	100k/50ppm



01-0672-2	R27	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	22k_MiniMelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R27_1	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	22k_MiniMelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R27_2	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	22k_MiniMelf_01-0672-2	Fitted	22k/50ppm
01-0663_1	R30	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	100k_MiniMelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R30_1	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	100k_MiniMelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R30_2	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	100k_MiniMelf_01-0663_1	Fitted	100k/50ppm
01-0672-2	R33	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	22k_MiniMelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R33_1	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	22k_MiniMelf_01-0672-2	Fitted	22k/50ppm
01-0672-2	R33_2	01-0672-2 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	22k_MiniMelf_01-0672-2	Fitted	22k/50ppm
01-0663_1	R34	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	100k_MiniMelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R35	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	100k_MiniMelf_01-0663_1	Fitted	100k/50ppm
01-1907	R36	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1911	R37	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-0960	R38	01-0960 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	100k_0603_01-0960	Not Fitted	100k
01-1927	R39	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Not Fitted	1M
01-1927	R45	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Not Fitted	1M
01-0080	R46	01-0080 - SMD Resistor 0603 0.1W 5%	RES_0603_IPC_B	0R_0603_01-0080	Fitted	0R
01-1911	R100	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R101	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-0820	R102	01-0820 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	220R_0603_01-0820	Fitted	220R
01-1907	R103	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-0820	R104	01-0820 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	220R_0603_01-0820	Fitted	220R
01-1890	R105	01-1890 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	0R_0402_01-1890	Fitted	0R
01-1911	R106	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1906	R107	01-1906 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	100R_0402_01-1906	Fitted	100R
01-1911	R108	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-1911	R109	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-1911	R110	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-1046	R112	01-1046 - SMD Resistor 1206 0.25W 1%	RES_1206_IPC_B	10R_1206_01-1046	Fitted	10R
01-1911	R200	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R200_1	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R200_2	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R200_3	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R200_4	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1527	R201	01-1527 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	1.5R_Minimelf_01-1527	Fitted	1.5R/50ppm
01-1527	R201_1	01-1527 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	1.5R_Minimelf_01-1527	Fitted	1.5R/50ppm
01-1527	R201_2	01-1527 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	1.5R_Minimelf_01-1527	Fitted	1.5R/50ppm
01-1527	R201_3	01-1527 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	1.5R_Minimelf_01-1527	Fitted	1.5R/50ppm
01-1890	R202	01-1890 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	0R_0402_01-1890	Fitted	0R
01-1890	R202_1	01-1890 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	0R_0402_01-1890	Fitted	0R
01-1890	R202_2	01-1890 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	0R_0402_01-1890	Fitted	0R
01-1890	R202_3	01-1890 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	0R_0402_01-1890	Fitted	0R
01-1907	R203	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1911	R204	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-1527	R205	01-1527 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	1.5R_Minimelf_01-1527	Fitted	1.5R/50ppm
01-1527	R205_1	01-1527 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	1.5R_Minimelf_01-1527	Fitted	1.5R/50ppm
01-1527	R205_2	01-1527 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	1.5R_Minimelf_01-1527	Fitted	1.5R/50ppm
01-1527	R205_3	01-1527 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	1.5R_Minimelf_01-1527	Fitted	1.5R/50ppm
01-1911	R206	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R206_1	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R206_2	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R206_3	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R206_4	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1908	R208	01-1908 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10R_0402_01-1908	Fitted	10R/200ppm
01-0663_1	R222	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	100k_MiniMelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R222_1	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	100k_MiniMelf_01-0663_1	Fitted	100k/50ppm
01-0663_1	R222_2	01-0663_1 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N - ISO2mm	100k_MiniMelf_01-0663_1	Fitted	100k/50ppm
01-0664	R224	01-0675-3 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	220R_Minimelf_01-0675-3	Fitted	220R/50ppm
01-0675-3	R224_1	01-0675-3 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	220R_Minimelf_01-0675-3	Fitted	220R/50ppm
01-0675-3	R224_2	01-0675-3 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	220R_Minimelf_01-0675-3	Fitted	220R/50ppm
01-0675-3	R225	01-0675-3 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	220R_Minimelf_01-0675-3	Fitted	220R/50ppm
01-0675-3	R225_1	01-0675-3 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	220R_Minimelf_01-0675-3	Fitted	220R/50ppm
01-0675-3	R225_2	01-0675-3 - SMD Resistor MiniMelf 0.25W 1%	RES_MinimELF_3514N	220R_Minimelf_01-0675-3	Fitted	220R/50ppm
01-1911	R300	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R301	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-0960	R302	01-0960 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	100k_0603_01-0960	Fitted	100k

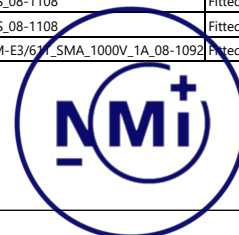


01-1911	R303	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-1907	R304	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-0947	R305	01-0947 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	22R_0603_01-0947	Fitted	22R
01-0898	R306	01-0898 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	1M_0603_01-0898	Fitted	1M
01-0947	R307	01-0947 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	22R_0603_01-0947	Fitted	22R
01-0947	R308	01-0947 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	22R_0603_01-0947	Fitted	22R
01-1911	R400	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-0216	R401	01-0216 - SMD Resistor 1206 0.25W 1%	RES_1206_IPC_B	100R_1206_01-0216	Fitted	100R
01-1905	R402	01-1905 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	100k_0402_01-1905	Fitted	100k
01-1927	R403	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Fitted	1M
01-8973	R500	01-8973 - SMD Resistor 1206 0.25W 1%	RES_1206_IPC_B	0.43R_1206_01-8973	Fitted	0.43R
01-0885	R501	01-0885 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	22k_0603_01-0885	Fitted	22k
01-1907	R502	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1927	R503	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Fitted	1M
01-1906	R504	01-1906 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	100R_0402_01-1906	Fitted	100R
01-1906	R505	01-1906 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	100R_0402_01-1906	Fitted	100R
01-1927	R506	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Fitted	1M
01-0960	R507	01-0960 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	100k_0603_01-0960	Fitted	100k
01-0885	R508	01-0885 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	22k_0603_01-0885	Fitted	22k
01-0885	R509	01-0885 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	22k_0603_01-0885	Fitted	22k
01-1309	R510	01-1309 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	11k_0603_01-1309	Fitted	11k
01-1911	R511	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1907	R512	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1907	R513	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-0506	R514	01-0506 - SMD Resistor 0603 0.063W 5%	RES_0603_IPC_B	10R_0603_01-0506	Fitted	10R/5%/200ppm
01-1906	R515	01-1906 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	100R_0402_01-1906	Fitted	100R
01-1890	R516	01-1890 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	0R_0402_01-1890	Not Fitted	0R
01-1890	R517	01-1890 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	0R_0402_01-1890	Fitted	0R
01-1911	R518	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-0160	R519	01-0160 - SMD Resistor 1206 0.25W 5%	RES_1206_IPC_B	0R_1206_01-0160	Not Fitted	0R
01-1906	R600	01-1906 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	100R_0402_01-1906	Fitted	100R
01-1911	R601	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-3661	R700	01-3661 - SMD Resistor 0603 0.063W 1%	RES_0603_IPC_B	4.7M_0603_01-3661	Fitted	4.7M
01-1911	R701	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R702	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-3661	R703	01-3661 - SMD Resistor 0603 0.063W 1%	RES_0603_IPC_B	4.7M_0603_01-3661	Fitted	4.7M
01-3661	R704	01-3661 - SMD Resistor 0603 0.063W 1%	RES_0603_IPC_B	4.7M_0603_01-3661	Fitted	4.7M
01-1911	R705	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1905	R707	01-1905 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	100k_0402_01-1905	Not Fitted	100k
01-1911	R708	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-3661	R710	01-3661 - SMD Resistor 0603 0.063W 1%	RES_0603_IPC_B	4.7M_0603_01-3661	Fitted	4.7M
01-1911	R900	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-0820	R901	01-0820 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	220R_0603_01-0820	Fitted	220R
01-1911	R902	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1908	R903	01-1908 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10R_0402_01-1908	Fitted	10R/200ppm
01-1911	R904	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1908	R905	01-1908 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10R_0402_01-1908	Fitted	10R/200ppm
01-1907	R906	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1911	R907	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1907	R908	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-0820	R909	01-0820 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	220R_0603_01-0820	Fitted	220R
01-1911	R910	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-0820	R911	01-0820 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	220R_0603_01-0820	Fitted	220R
01-3517-1	R912	01-3517-1 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1.8k_0402_01-3517-1	Fitted	1.8k
01-0663	R913	01-0663 - SMD Resistor MiniMelf 0.25W 1%	SOD80_MLL34_MiniMelf_Res	100k_MiniMelf_01-0663	Fitted	100k/50ppm
01-1907	R914	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1907	R915	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1927	R916	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Fitted	1M
01-0884	R917	01-0884 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	560R_0603_01-0884	Fitted	560R
01-0884	R918	01-0884 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	560R_0603_01-0884	Fitted	560R
01-1927	R919	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Fitted	1M
01-1911	R920	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R1000	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1908	R1001	01-1908 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10R_0402_01-1908	Fitted	10R/200ppm
01-1911	R1002	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-3889	R1003	01-3889 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	270R_0402_01-3889	Fitted	270R

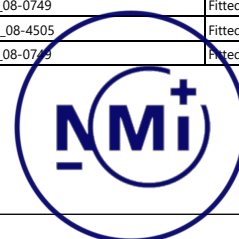


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01-3474	R1004	01-3474 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	220R_0402_01-3474	Fitted	220R
01-1908	R1005	01-1908 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10R_0402_01-1908	Fitted	10R/200ppm
01-0489	R1006	01-0489 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	33k_0603_01-0489	Fitted	33k
01-3455	R1007	01-3455 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	22k_0402_01-3455	Fitted	22k
01-1908	R1008	01-1908 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10R_0402_01-1908	Fitted	10R/200ppm
01-0489	R1009	01-0489 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	33k_0603_01-0489	Fitted	33k
01-2654	R1010	01-2654 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	27k_0402_01-2654	Fitted	27k
01-2654	R1011	01-2654 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	27k_0402_01-2654	Fitted	27k
01-1907	R1012	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1907	R1013	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Not Fitted	10k
01-1911	R1014	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-0607	R1015	01-0607 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	4.7k_0603_01-0607	Fitted	4.7k
01-1911	R1016	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R1017	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R1018	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-0489	R1019	01-0489 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	33k_0603_01-0489	Fitted	33k
01-0489	R1020	01-0489 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	33k_0603_01-0489	Fitted	33k
01-0489	R1021	01-0489 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	33k_0603_01-0489	Fitted	33k
01-1418	R1022	01-1418 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	240R_0603_01-1418	Fitted	240R
01-1911	R1023	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-1911	R1024	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-1911	R1025	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-0636	R1026	01-0636 - SMD Resistor 1206 0.25W 1%	RES_1206_IPC_B	2.2k_1206_01-0636	Not Fitted	2.2k
01-0636	R1027	01-0636 - SMD Resistor 1206 0.25W 1%	RES_1206_IPC_B	2.2k_1206_01-0636	Not Fitted	2.2k
01-1905	R1028	01-1905 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	100k_0402_01-1905	Not Fitted	100k
01-1911	R1029	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Not Fitted	1k
01-1908	R1030	01-1908 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10R_0402_01-1908	Fitted	10R/200ppm
01-1907	R1031	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Not Fitted	10k
01-1906	R1032	01-1906 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	100R_0402_01-1906	Not Fitted	100R
01-1907	R1100	01-1907 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10k_0402_01-1907	Fitted	10k
01-1911	R1101	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1911	R1102	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-0663	R1103	01-0663 - SMD Resistor MiniMelf 0.25W 1%	SOD80_MLL34_MiniMelf_Res	100k_MiniMelf_01-0663	Fitted	100k/50ppm
01-1911	R1104	01-1911 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1k_0402_01-1911	Fitted	1k
01-1927	R1105	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Fitted	1M
01-1908	R1106	01-1908 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	10R_0402_01-1908	Fitted	10R/200ppm
01-0596	R1200	01-0596 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	180R_0603_01-0596	Fitted	180R
01-0160	R1201	01-0160 - SMD Resistor 1206 0.25W 5%	RES_1206_IPC_B	0R_1206_01-0160	Fitted	0R
01-0596	R1202	01-0596 - SMD Resistor 0603 0.1W 1%	RES_0603_IPC_B	180R_0603_01-0596	Fitted	180R
01-1927	R1203	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Fitted	1M
01-1927	R1212	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Fitted	1M
01-1927	R1214	01-1927 - SMD Resistor 0402 0.063W 1%	RES_0402_IPC_B	1M_0402_01-1927	Fitted	1M
05-3455	S100	05-3455 - Tact-Switch 5x5mm	SWITCH_TACT_SMT_KSC_GPads_2Pins - F	Tact-Switch_5x5mm_05-3455	Fitted	Tact-Switch
05-3455	S101	05-3455 - Tact-Switch 5x5mm	SWITCH_TACT_SMT_KSC_GPads_2Pins - F	Tact-Switch_5x5mm_05-3455	Fitted	Tact-Switch
05-3455	S102	05-3455 - Tact-Switch 5x5mm	SWITCH_TACT_SMT_KSC_GPads_2Pins - F	Tact-Switch_5x5mm_05-3455	Fitted	Tact-Switch
05-8332	S700	05-8332 - Microswitch SPDT DM1-01P-30-3	Multicomp_DM1-01P-30-3	DM1-01P-30-3_05-8332	Fitted	DM1-01P-30-3
05-8332	S701	05-8332 - Microswitch SPDT DM1-01P-30-3	Multicomp_DM1-01P-30-3	DM1-01P-30-3_05-8332	Fitted	DM1-01P-30-3
Dummy_MCS	T1	Dummy_MCS301V2.0	HAHN_EI30	Trafo_HAHN_Dummy_MCS301V2.0	Fitted	Dummy_MCS301V2.0
Dummy_MCS	T2	Dummy_MCS301V2.0	HAHN_EI30	Trafo_HAHN_Dummy_MCS301V2.0	Fitted	Dummy_MCS301V2.0
Dummy_MCS	T3	Dummy_MCS301V2.0	HAHN_EI30	Trafo_HAHN_Dummy_MCS301V2.0	Fitted	Dummy_MCS301V2.0
04-6570	T500	04-6570_WUERTH_750316702r01	WUERTH_750316702	WUERTH_750316702r01_04-6570	Fitted	750316702
04-6895	T501	04-6895_WUERTH_750370799	WUERTH_10Polig_RM2.50/10mm_#pin1 u	WUERTH_750370799_04-6895	Fitted	750370799
08-8742	T900	08-8742_Phototransistor_1fach_SMT	PLCC2_PHOTO_TRANSISTOR	T_Phototransistor_AA3528P3S_08-8742	Fitted	AA3528P3S
99-0014	TP100	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Testpunkt_1mm_rund	Fitted	Testpunkt
99-0014	TP700	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Testpunkt_1mm_rund	Fitted	Testpunkt
99-0014	TP701	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Testpunkt_1mm_rund	Fitted	Testpunkt
99-0014	TP702	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Testpunkt_1mm_rund	Fitted	Testpunkt
99-0014	TP703	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Testpunkt_1mm_rund	Fitted	Testpunkt
99-0014	TP1200	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Testpunkt_1mm_rund	Fitted	Testpunkt
99-0014	TP1201	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Testpunkt_1mm_rund	Fitted	Testpunkt
99-0014	TP1210	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Testpunkt_1mm_rund	Fitted	Testpunkt
04-6347	U1200	04-6347 - Solid-State Relay SMD6 1fach 5kV	DIP6_SMD_OPTO_PITCH2.54_H=3.7	VOR1142B6_04-6347	Fitted	VOR1142B6
08-1108	V1	08-1108 - Diodennetzwerk 400V 0.5A SMD	SOIC254P670X290-4N	GL_MB4S_08-1108	Fitted	MB4S
08-1108	V2	08-1108 - Diodennetzwerk 400V 0.5A SMD	SOIC254P670X290-4N	GL_MB4S_08-1108	Fitted	MB4S
08-1108	V3	08-1108 - Diodennetzwerk 400V 0.5A SMD	SOIC254P670X290-4N	GL_MB4S_08-1108	Fitted	MB4S
08-1092	V4	08-1092 - SMA Gleichrichter 1000V 1A	SMA_DO-214AC	GL_US1M-E3/611_SMA_1000V_1A_08-1092	Fitted	S1M



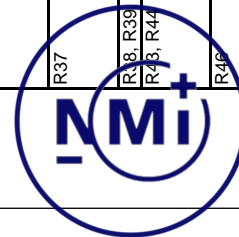
08-1092	V5	08-1092 - SMA Gleichrichter 1000V 1A	SMA_DO-214AC	GL_US1M-E3/61T_SMA_1000V_1A_08-1092	Fitted	S1M
08-1092	V6	08-1092 - SMA Gleichrichter 1000V 1A	SMA_DO-214AC	GL_US1M-E3/61T_SMA_1000V_1A_08-1092	Fitted	S1M
08-8480	V7	08-8480 - TVS Diode Bidirectional, 300V, 400W, SMA	SMA_DO-214AC - BIDIREKTIONAL	D_SMAJ300CA_08-8480	Fitted	SMAJ300CA
08-8480	V8	08-8480 - TVS Diode Bidirectional, 300V, 400W, SMA	SMA_DO-214AC - BIDIREKTIONAL	D_SMAJ300CA_08-8480	Fitted	SMAJ300CA
08-8480	V9	08-8480 - TVS Diode Bidirectional, 300V, 400W, SMA	SMA_DO-214AC - BIDIREKTIONAL	D_SMAJ300CA_08-8480	Fitted	SMAJ300CA
08-1092	V10	08-1092 - SMA Gleichrichter 1000V 1A	SMA_DO-214AC	GL_US1M-E3/61T_SMA_1000V_1A_08-1092	Fitted	S1M
08-8613	V11	08-8613 - N-Channel QFET MOSFET 800V 0.2A	SOT230P700X180-4N	M_FQT1N80TF_WS_08-8613	Fitted	FQT1N80TF_WS
08-0604	V12	08-0604 - Z-Diode 5% 12V MiniMELF	MiniMELF_Diode	D_BZV55C12V_08-0604	Not Fitted	BZV55C12V
08-0621-3	V13	08-0621-3 - Low-leakage double diode 75V 0.125A SO	SOT23-3L	D_BAV170_08-0621-3	Fitted	BAV170
08-0604	V14	08-0604 - Z-Diode 5% 12V MiniMELF	MiniMELF_Diode	D_BZV55C12V_08-0604	Fitted	BZV55C12V
08-0154	V15	08-0154 - PNP General Purpose Transistor 45V 100mA	SOT23-3L	T_BC857_PNP_45V_100mA_08-0154	Fitted	BC857
08-8480	V16	08-8480 - TVS Diode Bidirectional, 300V, 400W, SMA	SMA_DO-214AC - BIDIREKTIONAL	D_SMAJ300CA_08-8480	Fitted	SMAJ300CA
08-8480	V17	08-8480 - TVS Diode Bidirectional, 300V, 400W, SMA	SMA_DO-214AC - BIDIREKTIONAL	D_SMAJ300CA_08-8480	Fitted	SMAJ300CA
08-0621-3	V18	08-0621-3 - Low-leakage double diode 75V 0.125A SO	SOT23-3L	D_BAV170_08-0621-3	Fitted	BAV170
08-0180	V19	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Fitted	BC817-40
08-0892	V20	08-0892 - NPN High Power, 80V/1A, SOT223.	SOT230P700X180-4N	T_BCP56-16_08-0892	Fitted	BCP56-16
08-0621-3	V21	08-0621-3 - Low-leakage double diode 75V 0.125A SO	SOT23-3L	D_BAV170_08-0621-3	Fitted	BAV170
08-3361	V22	08-3361 - Small Signal Zener Diode, MiniMELF	MiniMELF_Diode	D_TZMC18_08-3361	Fitted	TZMC18
08-3361	V23	08-3361 - Small Signal Zener Diode, MiniMELF	MiniMELF_Diode	D_TZMC18_08-3361	Not Fitted	TZMC18
08-3361	V24	08-3361 - Small Signal Zener Diode, MiniMELF	MiniMELF_Diode	D_TZMC18_08-3361	Fitted	TZMC18
08-0621-3	V25	08-0621-3 - Low-leakage double diode 75V 0.125A SO	SOT23-3L	D_BAV170_08-0621-3	Fitted	BAV170
08-1485	V100	08-1485 - LED_Rot 1206 30mA	LED_1206	LED_Rot_08-1485	Fitted	LED_Rot
08-1485	V103	08-1485 - LED_Rot 1206 30mA	LED_1206	LED_Rot_08-1485	Fitted	LED_Rot
07-3930	V200	07-3930 - Atmel Poly-Phase Energy Metering IC, TQFP	QFP48_P10_50_EL7.00x7.00	ATM90E36A-AU-R_07-3930	Fitted	M90E36A
08-0180	V300	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Fitted	BC817-40
08-5723	V301	08-5723 - SMD-LED, weiss, 0603	LED_0603	LED_Weiss_0603_08-5723	Fitted	LED white
08-5723	V302	08-5723 - SMD-LED, weiss, 0603	LED_0603	LED_Weiss_0603_08-5723	Fitted	LED white
08-5723	V303	08-5723 - SMD-LED, weiss, 0603	LED_0603	LED_Weiss_0603_08-5723	Fitted	LED white
08-0653	V304	08-0653 N-FET_Diode_1fach_SMT_SOT23_0.115A_60V	SOT23	M_2N7002L_08-0653	Fitted	2N7002L
08-1108-1	V400	08-1108-1 - Diodennetzwerk 400V 0.5A SMD	SOIC254P670X290-4N	GL_MB4S_08-1108-1	Fitted	MB4S
08-0180	V401	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Fitted	BC817-40
08-1843-1	V402	08-1843-1 - TVS Diode Uni, 8.3A, 30V, 400W, SMA	SMA_DO-214AC	D_SMAJ30A-TR_08-1843-1	Fitted	SMAJ30A
08-0653	V403	08-0653 N-FET_Diode_1fach_SMT_SOT23_0.115A_60V	SOT23	M_2N7002L_08-0653	Fitted	2N7002L
08-1107	V500	08-1107_Diode_SMT_MiniMelf_0.6A_50V_0.5W	SOD80_DO213AA_MLL34_MiniMelf	LL4150_08-1107	Fitted	LL4150
08-0678-3	V501	08-0678-3_Diode_SMT_MiniMelf_0.5A_200V_0.5W	MiniMELF_Diode	BAV103_08-0678-3	Fitted	BAV103
08-1618	V502	08-1618 - Schottky-Diode 40V 3A SMA	SMA_DO-214AC	D_MBRA340T3_08-1618	Fitted	MBRA340T3
08-1107	V503	08-1107_Diode_SMT_MiniMelf_0.6A_50V_0.5W	SOD80_DO213AA_MLL34_MiniMelf	LL4150_08-1107	Fitted	LL4150
08-0275	V504	08-0275 - SIPMOS Small-Signal-Transistor	SOT23-3L	M_BSS84_08-0275	Fitted	BSS84P
08-1507	V505	08-1507 - Low-leakage double diode 75V 0.140A SOT23	SOT23-3L	D_BAV199_08-1507	Fitted	BAV199
08-1507	V506	08-1507 - Low-leakage double diode 75V 0.140A SOT23	SOT23-3L	D_BAV199_08-1507	Fitted	BAV199
08-1507	V507	08-1507 - Low-leakage double diode 75V 0.140A SOT23	SOT23-3L	D_BAV199_08-1507	Fitted	BAV199
08-1107	V508	08-1107_Diode_SMT_MiniMelf_0.6A_50V_0.5W	SOD80_DO213AA_MLL34_MiniMelf	LL4150_08-1107	Fitted	LL4150
08-1274	V509	08-1274_Diode_AKAK_1fach_SMT_SOT23_0.2A_40V_0.2	SOT23-3L	D_Diode_AKAK_40V_BAV40-04_08-1274	Fitted	BA540-04
08-0321	V510	08-0321 - Zener Diode 30V SOT23-3	SOT23_SC88_SOT95P230X110-3N	D_BZX84B30_08-0321	Not Fitted	BZX84-B30
08-1618	V511	08-1618 - Schottky-Diode 40V 3A SMA	SMA_DO-214AC	D_MBRA340T3_08-1618	Fitted	MBRA340T3
08-1107	V512	08-1107_Diode_SMT_MiniMelf_0.6A_50V_0.5W	SOD80_DO213AA_MLL34_MiniMelf	LL4150_08-1107	Fitted	LL4150
xx-xxxx	V513	xx-xxxx - SIPMOS Small-Signal-Transistor N-Channel	SOT230P700X180-4N - 2,4 connected	M_BSP372_xx-xxxx	Fitted	BSP372
08-4149	V514	08-4149 - Z-Diode39V MiniMELF	MiniMELF_Diode	D_TZMC39GS08_08-4149	Fitted	TZMC39GS08
08-7845	V515	08-7845 - Z-Diode 5% 3.9V MiniMELF	DIOMELF3515N_MiniMelf	D_BZV55C3V9_08-7845	Not Fitted	BZV55C3V9
08-7845	V516	08-7845 - Z-Diode 5% 3.9V MiniMELF	DIOMELF3515N_MiniMelf	D_BZV55C3V9_08-7845	Not Fitted	BZV55C3V9
08-4149	V517	08-4149 - Z-Diode39V MiniMELF	MiniMELF_Diode	D_TZMC39GS08_08-4149	Not Fitted	TZMC39GS08
08-1107	V518	08-1107_Diode_SMT_MiniMelf_0.6A_50V_0.5W	SOD80_DO213AA_MLL34_MiniMelf	LL4150_08-1107	Fitted	LL4150
08-1107	V600	08-1107_Diode_SMT_MiniMelf_0.6A_50V_0.5W	MiniMELF_Diode	LL4150_08-1107	Fitted	LL4150
08-1507	V700	08-1507 - Low-leakage double diode 75V 0.140A SOT23	SOT23-3L	D_BAV199_08-1507	Fitted	BAV199
08-0275	V701	08-0275 - SIPMOS Small-Signal-Transistor	SOT23-3L	M_BSS84_08-0275	Fitted	BSS84P
08-1507	V702	08-1507 - Low-leakage double diode 75V 0.140A SOT23	SOT23-3L	D_BAV199_08-1507	Fitted	BAV199
08-0503	V703	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-1507	V704	08-1507 - Low-leakage double diode 75V 0.140A SOT23	SOT23-3L	D_BAV199_08-1507	Fitted	BAV199
08-0275	V705	08-0275 - SIPMOS Small-Signal-Transistor	SOT23-3L	M_BSS84_08-0275	Fitted	BSS84P
08-1507	V706	08-1507 - Low-leakage double diode 75V 0.140A SOT23	SOT23-3L	D_BAV199_08-1507	Fitted	BAV199
08-0503	V707	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-1152	V900	08-1152_PNP_Standard_1fach_SMT_SOT23_0.1A_45V_0	SOT23-3L	T_BCX71H_08-1152	Fitted	BCX71H
08-0503	V901	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-0749	V902	08-0749 - Z-Diode 12V Minimelf	MiniMELF_Diode	D_Z12V_08-0749	Fitted	12V
08-4505	V903	08-4505 - Z-Diode 6.8V Minimelf	MiniMELF_Diode	D_Z6.8V_08-4505	Fitted	6.8V
08-0749	V904	08-0749 - Z-Diode 12V Minimelf	MiniMELF_Diode	D_Z12V_08-0749	Fitted	12V



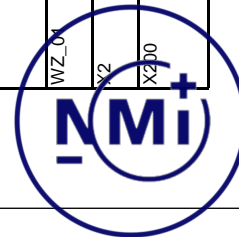
08-0503	V905	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-1152	V906	08-1152_PNP_Standard_1fach_SMT_SOT23_0.1A_45V_0	SOT23-3L	T_BCX71H_08-1152	Fitted	BCX71H
08-0503	V907	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-0503	V908	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-8479	V909	08-8479 - High Power Infrared Emitter (850 nm)	LED_OSRAM_SFH4059	SFH 4059-QS_08-8479	Fitted	SFH 4059
08-0180	V910	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Fitted	BC817-40
08-1107	V911	08-1107_Diode_SMT_MiniMelf_0.6A_50V_0.5W	SOD80_DO213AA_MLL34_MiniMelf	LL4150_08-1107	Fitted	LL4150
08-0275	V912	08-0275 - SIPMOS Small-Signal-Transistor	SOT23-3L	M_BSS84_08-0275	Fitted	BSS84P
08-0275	V913	08-0275 - SIPMOS Small-Signal-Transistor	SOT23-3L	M_BSS84_08-0275	Fitted	BSS84P
08-0503	V914	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-1152	V1000	08-1152_PNP_Standard_1fach_SMT_SOT23_0.1A_45V_0	SOT23-3L	T_BCX71H_08-1152	Fitted	BCX71H
08-0503	V1001	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-1507	V1002	08-1507 - Low-leakage double diode 75V 0.140A SOT23	SOT23-3L	D_BAV199_08-1507	Fitted	BAV199
08-0844	V1003	08-0844_TV5_bidirectional_SMT_9.3A_40V	SMB_DO214AA_NOPOLARITY	D_TV5_40V_bidirectional_08-0844	Fitted	TV5_40V
08-0180	V1004	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Fitted	BC817-40
08-0503	V1005	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-1152	V1006	08-1152_PNP_Standard_1fach_SMT_SOT23_0.1A_45V_0	SOT23-3L	T_BCX71H_08-1152	Fitted	BCX71H
08-0180	V1007	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Not Fitted	BC817-40
08-0180	V1008	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Not Fitted	BC817-40
08-1507	V1009	08-1507 - Low-leakage double diode 75V 0.140A SOT23	SOT23-3L	D_BAV199_08-1507	Not Fitted	BAV199
08-0503	V1010	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Not Fitted	BSS123
08-0180	V1011	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Not Fitted	BC817-40
08-0593	V1100	08-0593 - PNP General Purpose Transistor 45V 500mA	SOT23-3L	T_BC807-40_08-0593	Fitted	BC807-40
08-0180	V1101	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Fitted	BC817-40
08-0503	V1102	08-0503 - N-Channel 100V (D-S) MOSFET	SOT23-3L	M_BSS123_08-0503	Fitted	BSS123
08-0180	V1103	08-0180 - NPN General Purpose Amplifier (45V/1.5A)	SOT23-3L	T_BC817-40_08-0180	Fitted	BC817-40
08-8481	V1200	08-8481 - TV5 Diode Bidirectional, 300V, 1500W, SMC	SMC_DO-214AB_BIDIRECTIONAL	D_SMCJ300CA_08-8481	Fitted	SMCJ300CA
08-3066	V1201	08-3066 - SMD TV5 Diode, SMA	SMA_DO-214AC	D_SMAJ15A_08-3066	Fitted	SMAJ15A
08-0653	V1202	08-0653_N-FET_Diode_1fach_SMT_SOT23_0.115A_60V	SOT23	M_2N7002L_08-0653	Fitted	2N7002L
08-1120	V1212	08-1120 - Diode_AKKA_1fach_SOT23_0.12A_40V_0.2W	SOT23-3L	D_Diode_AKKA_40V_BAS40-05_08-1120	Fitted	BAS40-05
08-0653	V1214	08-0653_N-FET_Diode_1fach_SMT_SOT23_0.115A_60V	SOT23	M_2N7002L_08-0653	Fitted	2N7002L
08-0653	V1216	08-0653_N-FET_Diode_1fach_SMT_SOT23_0.115A_60V	SOT23	M_2N7002L_08-0653	Fitted	2N7002L
05-0452	X1	05-0452 - Messpunkt Messing gedreht	Measure Point 2mm	Messpunkt_gedreht_05-0452	Fitted	Messpunkt
05-0452	X2	05-0452 - Messpunkt Messing gedreht	Measure Point 2mm	Messpunkt_gedreht_05-0452	Fitted	Messpunkt
05-0452	X3	05-0452 - Messpunkt Messing gedreht	Measure Point 2mm	Messpunkt_gedreht_05-0452	Fitted	Messpunkt
05-0452	X4	05-0452 - Messpunkt Messing gedreht	Measure Point 2mm	Messpunkt_gedreht_05-0452	Fitted	Messpunkt
03-0084	X100	03-0084 - SL_1x3p_V_RM2.54	SL1x3_V_RM2.54	SL_1x3p_V_RM2.54_03-0084	Fitted	SL_1x3p_V_RM2.54
03-0088-9	X101	03-0088-9 - SL_1x2p_V_RM2.54	SL1x2_V_RM2.54	SL_1x2p_V_RM2.54_03-0088-9	Fitted	SL_1x2p_V_RM2.54
03-0086_1	X102	03-0086_1 - SL_2x4p_V_RM2.54	Header2x4_V_RM2.54 - WithNPTHs	SL_2x4p_V_RM2.54_03-0086_1	Fitted	SL_2x4p_V_RM2.54
03-3185	X103	03-3185 - SL_1x1p_V_RM2.54	SL1x1_V_RM2.54	SL_1x1p_V_RM2.54_03-3185	Fitted	SL_1x1p_V_RM2.54
03-3185	X104	03-3185 - SL_1x1p_V_RM2.54	SL1x1_V_RM2.54	SL_1x1p_V_RM2.54_03-3185	Fitted	SL_1x1p_V_RM2.54
24-2556	X200	24-2556 - SW_1x2p_V_RM1.50	Conectronics_C150401-02	SW_1x2p_V_RM1.50_4-2556	Fitted	SW_1x2p_V_RM1.50
24-2556	X201	24-2556 - SW_1x2p_V_RM1.50	Conectronics_C150401-02	SW_1x2p_V_RM1.50_4-2556	Fitted	SW_1x2p_V_RM1.50
24-2556	X202	24-2556 - SW_1x2p_V_RM1.50	Conectronics_C150401-02	SW_1x2p_V_RM1.50_4-2556	Fitted	SW_1x2p_V_RM1.50
24-1999	X402	24-1999 - Schraubklemme_1x3p_180°_RM5.08	conectronics_N508257_3P_180°_RM5.08	Schraubklemme_1x3p_RM5.08_24-1999	Fitted	Schraubklemme
05-4686	X500	05-4686 - Befestigungselement Feder, SMT	BATTERIEKONTAKTFEDER_SMT_LIEGEND	OG-503040_05-4686	Fitted	OG-503040
05-4686	X501	05-4686 - Befestigungselement Feder, SMT	BATTERIEKONTAKTFEDER_SMT_LIEGEND	OG-503040_05-4686	Fitted	OG-503040
05-4686	X502	05-4686 - Befestigungselement Feder, SMT	BATTERIEKONTAKTFEDER_SMT_LIEGEND	OG-503040_05-4686	Not Fitted	OG-503040
03-0086_1	X600	03-0086_1 - SL_2x4p_V_RM2.54	Header2x4_V_RM2.54 - WithNPTHs	SL_2x4p_V_RM2.54_03-0086_1	Fitted	SL_2x4p_V_RM2.54
03-3185	X601	03-3185 - SL_1x1p_V_RM2.54	SL1x1_V_RM2.54	SL_1x1p_V_RM2.54_03-3185	Fitted	SL_1x1p_V_RM2.54
03-3185	X602	03-3185 - SL_1x1p_V_RM2.54	SL1x1_V_RM2.54	SL_1x1p_V_RM2.54_03-3185	Fitted	SL_1x1p_V_RM2.54
24-1999	X901	24-1999 - Schraubklemme_1x3p_180°_RM5.08	conectronics_N508257_3P_180°_RM5.08	Schraubklemme_1x3p_RM5.08_24-1999	Fitted	Schraubklemme
24-1999	X1000	24-1999 - Schraubklemme_1x3p_180°_RM5.08	conectronics_N508257_3P_180°_RM5.08	Schraubklemme_1x3p_RM5.08_24-1999	Fitted	Schraubklemme
03-0021	X1100	03-0021 - SL_2x7p_V_RM2.54	Header2x7_V_RM2.54	SL_2x7p_V_RM2.54_03-0021	Fitted	2x7p_V_RM2.54
03-0041	X1102	03-0041 - SL_2x2p_V_RM2.54	Header2x2_V_RM2.54	SL_2x2p_V_RM2.54_03-0041	Fitted	SL_2x2p_V_RM2.54
88-0764	X1103	88-0764 - BL_1x15p_V_RM2.54_female	BL_1x15p_V_PITCH2.54mm	BL_1x15p_V_88-0764	Fitted	BL_1x15p_V_RM2.54_coded
24-1999	X1200	24-1999 - Schraubklemme_1x3p_180°_RM5.08	conectronics_N508257_3P_180°_RM5.08	Schraubklemme_1x3p_RM5.08_24-1999	Fitted	Schraubklemme



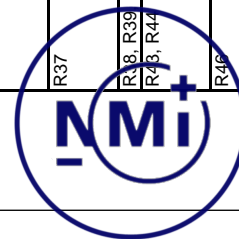
Einbauplatz	Qty	Teil	Bezeichnung	Hersteller:
				<input type="checkbox"/> F = Freigegeben <input type="checkbox"/> T = technische Alternative <input type="checkbox"/> V = Veraltet <input type="checkbox"/> A = Abgekündigt <input type="checkbox"/> G = Gesperrt
C1, C2	2	32-4411	CAPE 1.8mF 20% 35V 5000h@105°C RM7,5 THT lowimp 28mR Z 19x20,5mm	PANASONIC (F# EEUFC1V182S) RUBYCON (F# 35YXG1800M18x20)
C3	1	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT	YAGEO (F# CC0402JPNP09BN101) YAGEO (F# CC0402JRNPO9BN101)
C4	1	02-3016	CAPC 1µF +80%-20% 50V Y5V 0805 SMT	TAIYO YUDEN (F# UMK212F105ZG-T) TDK (F# C2012Y5V1H105ZT-S) SAMSUNG (F# CS2012X7R105K500NRE)
C5	1	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT	Murata (F# GRM155R71H102KA01D) Murata (F# GRM155R71H102KA01J) YAGEO (F# CC0402KRX7R9BB102)
C6	1	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT	TAIYO YUDEN (F# UMK105B7104KV-FR) Murata (F# GRM155R71H104KE14D)
D1	1	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	SHARP (A# PC123X1YUP0F) SHARP (F# PC123Y13FP9F) SHARP (A# PC123ZY1J00F)
PCB1	1	15-7352-3	PCB Meicom MCS301-O1 V1.2 Messw. chem. NiAu TG>= 130 rigid DK 1.2.4x panel	Würth-Nieder (F#) Würth-Nieder (F# 453542) Würth-Nieder (F# 456225)
R1, R13, R14, R15, R19, R2, R20, R21, R25, R26, R27, R3, R31, R32, R33, R7, R8, R9	18	01-0672-2	RES 22K 1% 0,25W 50ppm Minimelf SMT	VISHAY (F# SMM02040C2202FB000) VISHAY (F# SMM02040C2202FB300)
R10, R11, R12, R16, R17, R18, R22, R23, R24, R28, R29, R30, R34, R35, R4, R40, R41, R42, R5, R6	20	01-0663	RES 100K 1% 0,25W 50ppm Minimelf SMT	VISHAY (F# SMM02040C1003FB000) VISHAY (F# SMM02040C1003FB300)
R36	1	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT	VISHAY (F# CRCW040210K0FKED) YAGEO (F# RC0402FR-0710KL) YAGEO (F# RC0402FR-1310KL)
R37	1	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT	KOA (F# RK73H1ETTP1003F) YAGEO (F# RC0402FR-0710KL) YAGEO (F# RC0402FR-13100KL)
R38, R39 R43, R44	5	n.b.	nicht bestückt	
R45, V12, X1	2	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT	VISHAY (F# CRCW04020000Z0ED) YAGEO (F# RC0402JR-070RL) YAGEO (F# RC0402JR-130RL)
R46	1	01-0080	RES 0R -% 0,1W xppm 0603 SMT	ASJ (G# CR16-000-ZL) YAGEO (F# RC0603JR-070RL) YAGEO (F# RC0603JR-130RL)
RHB0	1	80-4000	Hilfsstoffe SMT Für Kalkulation	



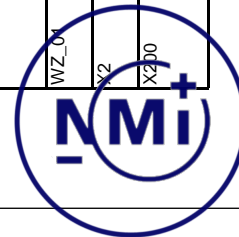
RHB1	1	80-4001	Hilfsstoffe THT <input type="checkbox"/> Für Kalkulation	
RHB2	1	80-4002	Hilfsstoffe THT <input type="checkbox"/> Für Kalkulation	
T1, T2, T3	3		TRAN BV EI 3042083 EL30 THT	Zeichnung (F)# HAHN EI 3042083
T4, T5, T6	3	04-3049	COIL 110H 30% 115R 6A <input type="checkbox"/> 24.5x12.3x28.8mm THT	VAC (F)# T60404-E4622-X50182
T4_B, T5_B, T6_B	3	05s1732-met	Drainbrücke für sol633 <input type="checkbox"/> 1mm ² THT	Zeichnung (F)# MM0014, Rev. A vom 20.02.2017
V1, V2, V3	3	08-1108	GL MB4S TO269AA Gleichrichter <input type="checkbox"/> 280V 0.5A SMD -55/+150°C <input type="checkbox"/> Brückengleichrichter <input type="checkbox"/> Texte 08-1108-1	VISHAY (F)# MB4S-E380
V10, V4, V5, V6	4	08-1092	DIO US1M 1KV 1A uni <input type="checkbox"/> SMA SMT	VISHAY (F)# US1M-E361T
V11	1	08-8613	T FQT1N80TF_WS N-Kanal 800V <input type="checkbox"/> SOT223 SMT 200mA	FAIRCHILD (F)# FQT1N80TF_WS
V13, V18	2	08-0621-3	DIO BAV170 60V 125mA uni <input type="checkbox"/> SOT23 SMT	DIODES (F)# BAV170-F <input type="checkbox"/> NXP (F)# BAV170 <input type="checkbox"/> NXP (F)# BAV170.215 <input type="checkbox"/> Nexperia (F)# BAV170.215
V14	1	08-0604	DIOZ BZV55C12 12V 250mA <input type="checkbox"/> Minimell SMT	VISHAY (F)# TZMC12-GS08 <input type="checkbox"/> VISHAY (F)# TZMC12-GS18
V15	1	08-0154	T BC857C PNP 45V 100mA <input type="checkbox"/> SOT23 SMT	PHILIPS (V)# BC857C <input type="checkbox"/> INFINEON (F)# BC857C <input type="checkbox"/> LRC (F)# LBC857CLT1G <input type="checkbox"/> NXP (F)# BC857C <input type="checkbox"/> Nexperia (F)# BC857C.215
V16, V17, V7, V8, V9	5	08-8480	DIO SMAJ300CA 300V 0.8A bi <input type="checkbox"/> DO214AC SMT	LITTELFUSE (F)# SMAJ300CA
WIP	1	18-3442	BMK-Label 5x5mm Polyester weiß <input type="checkbox"/> 2D-WIP-Label BMK-Standard <input type="checkbox"/> RT:05-8219	Brady (F)# THT-B727-5X5-LINER <input type="checkbox"/> Brady (G)# THT-B727-7X7
WZ_0	1	61-5211-1	SMT-Schablone sol633.00rc1 <input type="checkbox"/> MCS301-O1 V1.2	
X2	1	03-4353	CONN 1p 180° M Flachstecker <input type="checkbox"/> RM5 THT	Vogt AG Verb (F)# 3866A-6(8)MS
X2J0	1	03-2783	SSL 2x9p 180° <input type="checkbox"/> 2.54mm pitch THT Stapelhöhe <input type="checkbox"/> 28,0mm	Conelectronics (F)# A254102-1801225BO- 8.00/3.00/28.0



Einbauplatz	Qty	Teil	Bezeichnung	Hersteller:
				<input type="checkbox"/> F = Freigegeben <input type="checkbox"/> T = technische Alternative <input type="checkbox"/> V = Veraltet <input type="checkbox"/> A = Abgekündigt <input type="checkbox"/> G = Gesperrt
C1, C2	2	32-4411	CAPE 1.8mF 20% 35V 5000h@105°C RM7,5 THT lowimp 28mR Z 19x20,5mm	PANASONIC (F# EEUFC1V182S) RUBYCON (F# 35YXG1800M18x20)
C3	1	02-1887	CAPC 100pF 5% 50V NPO 0402 SMT	YAGEO (F# CC0402JPNP09BN101) YAGEO (F# CC0402JRNPO9BN101)
C4	1	02-3016	CAPC 1µF +80%-20% 50V Y5V 0805 SMT	TAIYO YUDEN (F# UMK212F105ZG-T) TDK (F# C2012Y5V1H105ZT-S) SAMSUNG (F# CS2012X7R105K500NRE)
C5	1	02-1197	CAPC 1nF 10% 50V X7R 0402 SMT	Murata (F# GRM155R71H102KA01D) Murata (F# GRM155R71H102KA01J) YAGEO (F# CC0402KRX7R9BB102)
C6	1	02-4561	CAPC 100nF 10% 50V X7R 0402 SMT	TAIYO YUDEN (F# UMK105B7104KV-FR) Murata (F# GRM155R71H104KE14D)
D1	1	11-8673-1	Optokoppler PC123X1YUP0F 50mA DIP4SMD SMT	SHARP (A# PC123X1YUP0F) SHARP (F# PC123Y13FP9F) SHARP (A# PC123ZY1J00F)
PCB1	1	15-7352-3	PCB Meicom MCS301-O1 V1.2 Messw. chem. NiAu TG>= 130 rigid DK 1.2 4x panel	Würth-Nieder (F#) Würth-Nieder (F# 453542) Würth-Nieder (F# 456225)
R1, R13, R14, R15, R19, R2, R20, R21, R25, R26, R27, R3, R31, R32, R33, R7, R8, R9	18	01-0672-2	RES 22K 1% 0,25W 50ppm Minimelf SMT	VISHAY (F# SMM02040C2202FB000) VISHAY (F# SMM02040C2202FB300)
R10, R11, R12, R16, R17, R18, R22, R23, R24, R28, R29, R30, R34, R35, R4, R40, R41, R42, R5, R6	20	01-0663	RES 100K 1% 0,25W 50ppm Minimelf SMT	VISHAY (F# SMM02040C1003FB000) VISHAY (F# SMM02040C1003FB300)
R36	1	01-1907	RES 10K 1% 0,063W 100ppm 0402 SMT	VISHAY (F# CRCW040210K0FKED) YAGEO (F# RC0402FR-0710KL) YAGEO (F# RC0402FR-1310KL)
R37	1	01-1905	RES 100K 1% 0,063W 100ppm 0402 SMT	KOA (F# RK73H1ETTP1003F) YAGEO (F# RC0402FR-0710KL) YAGEO (F# RC0402FR-1310KL)
R38, R39 R45, V12, X1	5	n.b.	nicht bestückt	
R43, R44	2	01-1890	RES 0R x% 0,063W 200ppm 0402 SMT	VISHAY (F# CRCW04020000Z0ED) YAGEO (F# RC0402JR-070RL) YAGEO (F# RC0402JR-130RL)
R46	1	01-0080	RES 0R -% 0,1W xppm 0603 SMT	ASJ (G# CR16-000-ZL) YAGEO (F# RC0603JR-070RL) YAGEO (F# RC0603JR-130RL)
RHB0	1	80-4000	Hilfsstoffe SMT Für Kalkulation	



RHB1	1	80-4001	Hilfsstoffe THT <input type="checkbox"/> Für Kalkulation	
RHB2	1	80-4002	Hilfsstoffe THT <input type="checkbox"/> Für Kalkulation	
T1, T2, T3	3		TRAN V22380 <input type="checkbox"/> 40,8x35 THT	Zeichnung (F)# HAHN V22380
T4, T5, T6	3	04-3049	COIL 110H 30% 115R 6A <input type="checkbox"/> 24,5x12,3x28,8mm THT	VAC (F)# T60404-E4622-X50182
T4_B, T5_B, T6_B	3	05s1732-met	Drahtbrücke für sol633 <input type="checkbox"/> 1mm ² THT	Zeichnung (F)# MM0014, Rev. A vom 20.02.2017
V1, V2, V3	3	08-1108	GL MB4S TO269AA Gleichrichter <input type="checkbox"/> 280V 0.5A SMD -55/+150°C <input type="checkbox"/> Brückengleichrichter <input type="checkbox"/> Texte 08-1108-1	VISHAY (F)# MB4S-E380
V10, V4, V5, V6	4	08-1092	DIO US1M 1KV 1A uni <input type="checkbox"/> SMA SMT	VISHAY (F)# US1M-E361T
V11	1	08-8613	T FQT1N80TF_WS N-Kanal 800V <input type="checkbox"/> SOT223 SMT 200mA	FAIRCHILD (F)# FQT1N80TF_WS
V13, V18	2	08-0621-3	DIO BAV170 60V 125mA uni <input type="checkbox"/> SOT23 SMT	DIODES (F)# BAV170-F <input type="checkbox"/> NXP (F)# BAV170 <input type="checkbox"/> NXP (F)# BAV170.215 <input type="checkbox"/> Nexperia (F)# BAV170.215
V14	1	08-0604	DIOZ BZV55C12 12V 250mA <input type="checkbox"/> Minimell SMT	VISHAY (F)# TZMC12-GS08 <input type="checkbox"/> VISHAY (F)# TZMC12-GS18
V15	1	08-0154	T BC857C PNP 45V 100mA <input type="checkbox"/> SOT23 SMT	PHILIPS (V)# BC857C <input type="checkbox"/> INFINEON (F)# BC857C <input type="checkbox"/> LRC (F)# LBC857CLT1G <input type="checkbox"/> NXP (F)# BC857C <input type="checkbox"/> Nexperia (F)# BC857C.215
V16, V17, V7, V8, V9	5		DIO SMAJ70CA 70V 0,8A bi <input type="checkbox"/> DO214AC SMT	LITTELFUSE (F)# SMAJ70CA
WIP	1	18-3442	BMK-Label 5x5mm Polyester weiß <input type="checkbox"/> 2D-WIP-Label BMK-Standard <input type="checkbox"/> RT:05-8219	Brady (F)# THT-B727-5X5-LINER <input type="checkbox"/> Brady (G)# THT-B727-7X7
WZ_0	1	61-5211-1	SMT-Schablone sol633.00rc1 <input type="checkbox"/> MCS301-O1 V1.2	
X2	1	03-4353	CONN 1p 180° M Flachstecker <input type="checkbox"/> RM5 THT	Vogt AG Verb (F)# 3866A-6(8)MS
X2J0	1	03-2783	SSL 2x9p 180° <input type="checkbox"/> 2,54mm pitch THT Stapelhöhe <input type="checkbox"/> 28,0mm	Conelectronics (F)# A254102-1801225BO- 8.00/3.00/28.0



Designator	Description	LibRef	Fitted	Quantit	Partnumber	PartType
C1	32-4397 - THT Elko RM7.5 - 1800µF 35V geschnitten	1800µF_35V_THT_32-4397	Fitted	1	32-4397	1800µF/35V
C2	02-3403 - THT D10mm Elko 100µF 400V	100µF_400V_THT_02-3403	Fitted	1	02-3403	100µF/400V
C3	02-3403 - THT D10mm Elko 100µF 400V	100µF_400V_THT_02-3403	Fitted	1	02-3403	100µF/400V
C4	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Fitted	1	02-3514	100nF/50V
C5	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Fitted	1	02-3514	100nF/50V
C6	02-4561 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-4561	Fitted	1	02-4561	100nF/50V
C7	02-4679 - SMD Capacitor 0805 10µF 25V X5R	10µF_25V_0805_02-4679	Fitted	1	02-4679	10µF/25V
C8	02-3541 - SMD Capacitor 0603 470nF 50V X7R	470nF_50V_0603_02-3541	Fitted	1	02-3541	470nF/50V
C9	02-0332 - SMD Capacitor 0603 4.7nF 50V X7R	4.7nF_50V_0603_02-0332	Fitted	1	02-0332	4.7nF/50V
C10	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Fitted	1	02-3514	100nF/50V
C11	02-0121 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121	Fitted	1	32-0121	10nF/305V/X2
C12	02-5734 - SMD Capacitor 1206 560pF 500V C0G	560pF_500V_1206_02-5734	Fitted	1	02-5734	560pF/500V
C14	32-0121 1 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121_1	Fitted	1	32-0121_1	10nF/305V/X2
C15	32-0121 1 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121_1	Fitted	1	32-0121_1	10nF/305V/X2
C16	32-0121 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121	Fitted	1	32-0121	10nF/305V/X2
C100	32-0466 - THT Elko RM5 2200µF 16V	2200µF_16V_RM5_32-0466	Fitted	1	32-0466	2200µF/16V
C102	02-1334 - SMD Capacitor 1206 2.2nF 500V X7R	2.2nF_500V_1206_02-1334	Fitted	1	02-1334	2.2nF/500V
C107	02-5734 - SMD Capacitor 1206 560pF 500V C0G	560pF_500V_1206_02-5734	Fitted	1	02-5734	560pF/500V
C109	32-0121 1 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121_1	Fitted	1	32-0121_1	10nF/305V/X2
C114	02-0322 - SMD Capacitor 0603 1nF 50V X7R	1nF_50V_0603_02-0322	Fitted	1	02-0322	1nF/50V
C117	32-0121 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121	Fitted	1	32-0121	10nF/305V/X2
D100	04-4114 - Filter WE	Alair04-900	Fitted	1	04-4114	Alair04-900
L2	04-4114 - Filter WE	Filter_1.2mH_0.28A_04-4114	Fitted	1	04-4114	1.2mH/0.28A
L3	04-5443 - Stromkompensie Drossel 2x1.8mH 1A	ME-JFC_2x1.8mH_1A_04-5443	Fitted	1	04-5443	2x1.8mH/1A/2x310mR
L5	04-4114 - Filter WE	Filter_1.2mH_0.28A_04-4114	Fitted	1	04-4114	1.2mH/0.28A
L6	04-4114 - Filter WE	Filter_1.2mH_0.28A_04-4114	Fitted	1	04-4114	1.2mH/0.28A
L7	04-5001 Ind SMT WE GF unpol. 1000µH 30mA 74476630	Ind_74476630_04-5001	Fitted	1	04-5001	1000µH/30mA
PCB1	15-7352-2 - PCB MetCom Messwandler	PCB_15-7352-2	Fitted	1	15-7352-2	PCB MetCom Messwandler
R1	01-0448 - SMD Resistor 1206 0.25W 1%	1M_1206_01-0448	Fitted	1	01-0448	1M
R2	01-0448 - SMD Resistor 1206 0.25W 1%	1M_1206_01-0448	Fitted	1	01-0448	1M
R3	31-0300 1 - VARISTOR 460V 8000A KombiFP 200mm 14mm Dish	VAR_460V_RM10_31-0300_1	Fitted	1	31-0300_1	460V Kombi
R4	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R5	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R6	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R7	31-0300 1 - VARISTOR 460V 8000A KombiFP 200mm 14mm Dish	VAR_460V_RM10_31-0300_1	Fitted	1	31-0300_1	460V Kombi
R8	01-0448 - SMD Resistor 1206 0.25W 1%	1M_1206_01-0448	Fitted	1	01-0448	1M
R9	01-0448 - SMD Resistor 1206 0.25W 1%	1M_1206_01-0448	Fitted	1	01-0448	1M
R10	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R11	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R12	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R16	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R17	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R18	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R19	01-4545 - SMD Resistor 0603 0.063W 0.1%	33k_0603_01-4545	Fitted	1	01-4545	33k/0.1%/25ppm
R20	01-1046 - SMD Resistor 1206 0.25W 1%	10R_1206_01-1046	Fitted	1	01-1046	10R
R21	01-0905 - SMD Resistor 0603 0.1W 1%	8.2k_0603_01-0905	Fitted	1	01-0905	8.2k
R22	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R23	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R24	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R25	01-0960 - SMD Resistor 0603 0.1W 1%	100K_0603_01-0960	Fitted	1	01-0960	100K
R26	01-1659-1 - SMD Resistor 1206 0.25W 1%	1.5R_1206_01-1659-1	Fitted	1	01-1659-1	1.5R
R27	01-0905 - SMD Resistor 0603 0.1W 1%	8.2k_0603_01-0905	Fitted	1	01-0905	8.2k
R28	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R29	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K



Designator	Description	LibRef	Fitted	Quantit	Partnumber	PartType
R30	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R34	01-1816 - SMD Resistor 0603 0.063W 1%	47K_0603_01-1816	Fitted	1	01-1816	47R
R37	31-0289 THF Resistor 13x5.7mm 39K 5% 4W zugerichtet	39K_13x5.7mm_31-0289	Fitted	1	31-0289	39K4W/200ppm
R38	01-0080 - SMD Resistor 0603 0.1W 5%	0R_0603_01-0080	Fitted	1	01-0080	0R
R39	01-0160 - SMD Resistor 1206 0.25W 5%	0R_1206_01-0160	Fitted	1	01-0160	0R
R40	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R41	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R42	01-0663 - SMD Resistor MiniMeif 0.25W 1%	100K_MiniMeif_01-0663	Fitted	1	01-3576	100K
R43	01-1890 - SMD Resistor 0402 0.063W 1%	0R_0402_01-1890	Fitted	1	01-1890	0R
R44	01-1890 - SMD Resistor 0402 0.063W 1%	0R_0402_01-1890	Fitted	1	01-1890	0R
R46	01-0960 - SMD Resistor 0603 0.1W 1%	100K_0603_01-0960	Fitted	1	01-0960	100K
R47	01-0960 - SMD Resistor 0603 0.1W 1%	100K_0603_01-0960	Fitted	1	01-0960	100K
R48	01-0960 - SMD Resistor 0603 0.1W 5%	0R_0603_01-0960	Fitted	1	01-0960	0R
R101	31-0289 THF Resistor 13x5.7mm 39K 5% 4W zugerichtet	39K_13x5.7mm_31-0289	Fitted	1	31-0289	39K4W/200ppm
R103	01-0384 - SMD Resistor 1206 0.25W 1%	100K_1206_01-0384	Fitted	1	01-0384	100K
R104	01-0384 - SMD Resistor 1206 0.25W 1%	100K_1206_01-0384	Fitted	1	01-0384	100K
R105	01-1046 - SMD Resistor 1206 0.25W 1%	10R_1206_01-1046	Fitted	1	01-1046	10R
R108	31-0300 1 - VARISTOR 460V 8000A KombiFP 200mm_14mm_Dish	VAR_460V_RMT0_31-0300_1	Fitted	1	31-0300_1	460V Kombi
T1	04-5803 - Trafo Wuerrth 750315367	Trafo_750315367_04-5803	Fitted	1	04-5803	Trafo_750315367
T4	04-3049 - Stromwandler 10H 6A 115Rdc	T60404-E4622-X501_04-3049	Fitted	1	04-3049	T60404-E4622-X501
T5	04-3049 - Stromwandler 10H 6A 115Rdc	T60404-E4622-X501_04-3049	Fitted	1	04-3049	T60404-E4622-X501
T6	04-3049 - Stromwandler 10H 6A 115Rdc	T60404-E4622-X501_04-3049	Fitted	1	04-3049	T60404-E4622-X501
TP1	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP2	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP3	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP4	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP5	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP6	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP7	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP8	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP9	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP10	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP11	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP12	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP13	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP104	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP106	95-0014 - Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
V1	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V2	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V3	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V4	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V5	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V6	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V7	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V8	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V9	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V10	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V11	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V12	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V13	08-1107 Diode SMT_MiniMeif 0.6A 50V 0.5W	LL4150_08-1107	Fitted	1	08-1107	LL4150
V14	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V15	08-5559 Diode SMT_SWA_D0214AC_1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	STM
V18	08-1107 Diode SMT_MiniMeif 0.6A 50V 0.5W	LL4150_08-1107	Fitted	1	08-1107	LL4150
V19	08-1152_PNP_Standard_1fach_SMT_SOT23_01A_45V_0.25W_BCX7H	T_BCX7H_08-1152	Fitted	1	08-1152	BCX7H



Designator	Description	LibRef	Fitted	Quantit	Partnumber	PartType
V101	08-5559 Diode-SMT SMA DO214AC 1.000V 1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	SIM
V102	08-5559 Diode-SMT SMA DO214AC 1.000V 1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	SIM
V104	08-3426 Diode-SMT SMA DO214AC 1A 800V S1TH08A	D_Diode_800V_08-3426	Fitted	1	08-3426	800V_1A
V106	08-1093-1 - SMA Gleichrichter 400V 1A	GL_US1G-E35AT_SMA_400V_1A_08-1093-1	Fitted	1	08-1093-1	US1G-E35AT
X1	05-0452 - Messpunkt Messing geerdet	Messpunkt geerdet_05-0452	Fitted	1	05-0452	Messpunkt
X2	03-4353 - Faston 6.3mm stehernd RM5.00	Faston_6.3mm_03-4353	Fitted	1	03-4353	Faston_1p
X200	24-2084 - BL_2x9p_V_RM2.54	BL_2x9p_V_RM2.54_24-2084	Fitted	1	24-2084	BL_2x9p_V_RM2.54_DualEntry
C13	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Not Fitted	0	02-3514	100nF/50V
C17	32-0121 - THT Capacitor 1.3x4x9mm RMT10 10nF 305V X2	10nF_305V_RMT10_32-0121	Not Fitted	0	32-0121	10nF/305V/X2
C18	32-0121 - THT Capacitor 1.3x4x9mm RMT10 10nF 305V X2	10nF_305V_RMT10_32-0121	Not Fitted	0	32-0121	10nF/305V/X2
C19	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Not Fitted	0	02-3514	100nF/50V
C20	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Not Fitted	0	02-3514	100nF/50V
C21	02-4118 - THT Capacitor Disc RM9.5 2.2nF 500V Y1	2.2nF_500V_RM9.5_02-4118	Not Fitted	0	02-4118	2.2nF/500V/Y1
C21	11-7207 - BU4925G	BU4925G_11-7207	Not Fitted	0	11-7207	BU4925G
D2	11-8673-1 Optokoppler SMD4 1fach 5kV	PC123XTYUP0F_11-8673-1	Not Fitted	0	11-8673-1	PC123XTYUP0F
L1	04-5001 Ind_SMT_WE_GF_unpol_1000uH_30mA_74476630	Ind_74476630_04-5001	Not Fitted	0	04-5001	1000uH/30mA
L4	04-5001 Ind_SMT_WE_GF_unpol_1000uH_30mA_74476630	Ind_74476630_04-5001	Not Fitted	0	04-5001	1000uH/30mA
L8	04-5443 - Stromkompensierte Drossel 2x1.8mmH 1A	WE_HFC_2x1.8mmH_1A_04-5443	Not Fitted	0	04-5443	2x1.8mmH/1A/2x310mR
R13	01-0160 - SMD Resistor 1206 0.25W 5%	0R_1206_01-0160	Not Fitted	0	01-0160	0R
R14	01-1046 - SMD Resistor 1206 0.25W 1%	0R_1206_01-1046	Not Fitted	0	01-1046	0R
R15	01-4545 - SMD Resistor 0603 0.063W 0.1%	33k_0603_01-4545	Not Fitted	0	01-4545	33k/0.1%/25ppm
R31	01-0160 - SMD Resistor 1206 0.25W 5%	0R_1206_01-0160	Not Fitted	0	01-0160	0R
R32	01-0160 - SMD Resistor 1206 0.25W 5%	0R_1206_01-0160	Not Fitted	0	01-0160	0R
R33	01-0160 - SMD Resistor 1206 0.25W 5%	0R_1206_01-0160	Not Fitted	0	01-0160	0R
R36	01-0160 - SMD Resistor 1206 0.25W 5%	0R_1206_01-0160	Not Fitted	0	01-0160	0R
R36	01-0160 - SMD Resistor 1206 0.25W 5%	0R_1206_01-0160	Not Fitted	0	01-0160	0R
R45	01-0481 - SMD Resistor 0603 0.063W 5%	1k_0603_01-0481	Not Fitted	0	01-0481	1k
R49	31-0289 THT Resistor 13x5.7mm 39R 5% 4W zugerechnet	39R_13x5.7mm_31-0289	Not Fitted	0	31-0289	39R/4W/200ppm
R50	31-0300 1 - VARISTOR 460V 8000A KombiFP 200mm 14mm_Dish	VAR_460V_RMT0_31-0300_1	Not Fitted	0	31-0300_1	460V Kombi
R51	31-0300 1 - VARISTOR 460V 8000A KombiFP 200mm 14mm_Dish	VAR_460V_RMT0_31-0300_1	Not Fitted	0	31-0300_1	460V Kombi
R52	01-0884 - SMD Resistor 0603 0.1W 1%	500R_0603_01-0884	Not Fitted	0	01-0884	500R
R53	01-1907 - SMD Resistor 0402 0.063W 1%	T0K_0402_01-1907	Not Fitted	0	01-1907	T0K
T2	xx-xxxx - Schalnetztteil 24V 5Watt	SMPS-MW-IRM-05	Not Fitted	0	xx-xxxx	SMPS 24V 5W
T3	xx-xxxx - Schalnetztteil 24V 15Watt	SMPS-MW-NFM-15	Not Fitted	0	xx-xxxx	SMPS 24V 15W
T100	04-5082 WUERTH 750370134	WUERTH_750370134_04-5082	Not Fitted	0	04-5082	750370134
V16	08-4551 - SMB Schotky Rectifier 80V 2A	D_SK28_08-4551	Not Fitted	0	08-4551	SK28
V17	08-1093-1 - SMA Schotky Rectifier 400V 1A	GL_US1G-E35AT_SMA_400V_1A_08-1093-1	Not Fitted	0	08-1093-1	US1G-E35AT
V20	08-4551 - SMB Schotky Rectifier 80V 2A	D_SK28_08-4551	Not Fitted	0	08-4551	SK28
V21	08-0026-1 - Z_Diode 5% 18V MinIMELE	D_BV55C18V_08-0026-1	Not Fitted	0	08-0026-1	BV55C18V
V105	08-7321 - Z_Diode BZG03C200 200V SMA DO-214AC	D_Z200V_SMA_DO-214AC_08-7321	Not Fitted	0	08-7321	BZG03C200
V109	08-4551 - SMB Schotky Rectifier 80V 2A	D_SK28_08-4551	Not Fitted	0	08-4551	SK28
X3	24-1999 - Schraubklemme 1x3p 180° RM5.08	Schraubklemme_1x3p_180°_RM5.08	Not Fitted	0	24-1999	Schraubklemme



Designator	Description	LibRef	Fitted	Quantity	Partnumber	PartType
C1	32-4397 - THT Elko RM7.5 - 1800µF 35V_geschmitten	1800µF_35V_THT_32-4397	Fitted	1	32-4397	1800µF/35V
C2	02-3403 - THT D10mm Eiko 10µF 400V	10µF_400V_THT_02-3403	Fitted	1	02-3403	10µF/400V
C3	02-3403 - THT D10mm Eiko 10µF 400V	10µF_400V_THT_02-3403	Fitted	1	02-3403	10µF/400V
C4	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Fitted	1	02-3514	100nF/50V
C5	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Fitted	1	02-3514	100nF/50V
C6	02-4561 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-4561	Fitted	1	02-4561	100nF/50V
C7	02-4679 - SMD Capacitor 0805 10µF 25V X5R	10µF_25V_0805_02-4679	Fitted	1	02-4679	10µF/25V
C8	02-3541 - SMD Capacitor 0603 470nF 50V X7R	47nF_50V_0603_02-3541	Fitted	1	02-3541	470nF/50V
C9	02-0332 - SMD Capacitor 0603 4.7nF 50V X7R	4.7nF_50V_0603_02-0332	Fitted	1	02-0332	4.7nF/50V
C10	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Fitted	1	02-3514	100nF/50V
C11	32-0121 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121	Fitted	1	32-0121	10nF/305V/X2
C12	02-5734 - SMD Capacitor 1206 560pF 500V COG	560pF_500V_1206_02-5734	Fitted	1	02-5734	560pF/500V
C14	32-0121_1 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121_1	Fitted	1	32-0121_1	10nF/305V/X2
C15	32-0121_1 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121_1	Fitted	1	32-0121_1	10nF/305V/X2
C16	32-0121 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121	Fitted	1	32-0121	10nF/305V/X2
C17	32-0121 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121	Fitted	1	32-0121	10nF/305V/X2
C18	32-0121 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121	Fitted	1	32-0121	10nF/305V/X2
C19	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Fitted	1	02-3514	100nF/50V
C20	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Fitted	1	02-3514	100nF/50V
C21	02-4118 - THT Capacitor Disc RM9.5 2.2nF 500V Y1	2.2nF_500V_RM9.5_02-4118	Fitted	1	02-4118	2.2nF/500V/Y1
C100	32-0466 - THT Elko RMS 2200µF 16V	2200µF_16V_RMS_32-0466	Fitted	1	32-0466	2200µF/16V
C102	02-1334 - SMD Capacitor 1206 2.2nF 500V X7R	2.2nF_500V_1206_02-1334	Fitted	1	02-1334	2.2nF/500V
C107	02-5734 - SMD Capacitor 1206 560pF 500V COG	560pF_500V_1206_02-5734	Fitted	1	02-5734	560pF/500V
C109	32-0121_1 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121_1	Fitted	1	32-0121_1	10nF/305V/X2
C114	02-0322 - SMD Capacitor 0603 1nF 50V X7R	1nF_50V_0603_02-0322	Fitted	1	02-0322	1nF/50V
C117	32-0121 - THT Capacitor 13x4x9mm RM10 10nF 305V X2	10nF_305V_RM10_32-0121	Fitted	1	32-0121	10nF/305V/X2
D2	11-8673-1 Optokoppler SMD4 1fach 5kV	PC123X1YUP0F_11-8673-1	Fitted	1	11-8673-1	PC123X1YUP0F
D100		Altair04-900	Fitted	1		Altair04-900
L2	04-4114 - Filter WE	Filter_1.2mH_0.28A_04-4114	Fitted	1	04-4114	1.2mH/0.28A
L3	04-5443 - Stromkompensierte Drossel 2x1.8mH 1A	WE-TFC_2x1.8mH_1A_04-5443	Fitted	1	04-5443	2x1.8mH/1A/2x3.10mR
L5	04-4114 - Filter WE	Filter_1.2mH_0.28A_04-4114	Fitted	1	04-4114	1.2mH/0.28A
L6	04-4114 - Filter WE	Filter_1.2mH_0.28A_04-4114	Fitted	1	04-4114	1.2mH/0.28A
L7	04-5001 Ind. SMT WE GF unpol. 1000µH 30mA 74476630	Ind_74476630_04-5001	Fitted	1	04-5001	1000µH/30mA
L8	04-5443 - Stromkompensierte Drossel 2x1.8mH 1A	WE-TFC_2x1.8mH_1A_04-5443	Fitted	1	04-5443	2x1.8mH/1A/2x3.10mR
PCB1	15-7352-2 - PCB MetCom Messwandler	PCB_15-7352-2	Fitted	1	15-7352-2	PCB MetCom Messwandler
R1	01-0448 - SMD Resistor 1206 0.25W 1%	1M_1206_01-0448	Fitted	1	01-0448	1M
R2	01-0448 - SMD Resistor 1206 0.25W 1%	1M_1206_01-0448	Fitted	1	01-0448	1M
R3	31-0300_1 - VARISTOR 460V 8000A KombiFP 200mm 14mm Dish	VAR_460V_RM10_31-0300_1	Fitted	1	31-0300_1	460V Kombi
R4	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R5	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R6	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R7	31-0300_1 - VARISTOR 460V 8000A KombiFP 200mm 14mm Dish	VAR_460V_RM10_31-0300_1	Fitted	1	31-0300_1	460V Kombi
R8	01-0448 - SMD Resistor 1206 0.25W 1%	1M_1206_01-0448	Fitted	1	01-0448	1M
R9	01-0448 - SMD Resistor 1206 0.25W 1%	1M_1206_01-0448	Fitted	1	01-0448	1M
R10	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K



Designator	Description	LibRef	Fitted	Quantity	Partnumber	PartType
R11	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R12	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R16	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R17	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R18	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R19	01-4545 - SMD Resistor 0603 0.063W 0.1%	33k_0603_01-4545	Fitted	1	01-4545	33k/0.1%/25ppm
R20	01-1046 - SMD Resistor 1206 0.25W 1%	10R_1206_01-1046	Fitted	1	01-1046	10R
R21	01-0905 - SMD Resistor 0603 0.1W 1%	8.2k_0603_01-0905	Fitted	1	01-0905	8.2k
R22	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R23	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R24	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R25	01-0960 - SMD Resistor 0603 0.1W 1%	100K_0603_01-0960	Fitted	1	01-0960	100K
R26	01-1659-1 - SMD Resistor 1206 0.25W 1%	1.5R_1206_01-1659-1	Fitted	1	01-1659-1	1.5R
R27	01-0905 - SMD Resistor 0603 0.1W 1%	8.2k_0603_01-0905	Fitted	1	01-0905	8.2k
R28	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R29	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R30	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R34	01-1816 - SMD Resistor 0402 0.063W 1%	4.7R_0402_01-1816	Fitted	1	01-1816	4.7R
R37	31-0289 THT Resistor 13x5.7mm 39R 5% 4W zugewichtet	39R_13x5.7mm_31-0289	Fitted	1	31-0289	39R/4W/200ppm
R38	01-0080 - SMD Resistor 0603 0.1W 5%	0R_0603_01-0080	Fitted	1	01-0080	0R
R39	01-0160 - SMD Resistor 1206 0.25W 5%	0R_1206_01-0160	Fitted	1	01-0160	0R
R40	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R41	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R42	01-0663 - SMD Resistor MiniMelf 0.25W 1%	100K_MiniMelf_01-0663	Fitted	1	01-3576	100K
R43	01-1890 - SMD Resistor 0402 0.063W 1%	0R_0402_01-1890	Fitted	1	01-1890	0R
R44	01-1890 - SMD Resistor 0402 0.063W 1%	0R_0402_01-1890	Fitted	1	01-1890	0R
R46	01-0960 - SMD Resistor 0603 0.1W 1%	100K_0603_01-0960	Fitted	1	01-0960	100K
R47	01-0960 - SMD Resistor 0603 0.1W 1%	100K_0603_01-0960	Fitted	1	01-0960	100K
R48	01-0080 - SMD Resistor 0603 0.1W 5%	0R_0603_01-0080	Fitted	1	01-0080	0R
R49	31-0289 THT Resistor 13x5.7mm 39R 5% 4W zugewichtet	39R_13x5.7mm_31-0289	Fitted	1	31-0289	39R/4W/200ppm
R50	31-0300.1 - VARISTOR_460V_8000A_KombiFP_200mm_14mm_Dish	VAR_460V_RM10_31-0300.1	Fitted	1	31-0300.1	460V_Kombi
R51	31-0300.1 - VARISTOR_460V_8000A_KombiFP_200mm_14mm_Dish	VAR_460V_RM10_31-0300.1	Fitted	1	31-0300.1	460V_Kombi
R52	01-0884 - SMD Resistor 0603 0.1W 1%	560R_0603_01-0884	Fitted	1	01-0884	560R
R53	01-1907 - SMD Resistor 0402 0.063W 1%	10k_0402_01-1907	Fitted	1	01-1907	10k
R101	31-0289 THT Resistor 13x5.7mm 39R 5% 4W zugewichtet	39R_13x5.7mm_31-0289	Fitted	1	31-0289	39R/4W/200ppm
R103	01-0384 - SMD Resistor 1206 0.25W 1%	100K_1206_01-0384	Fitted	1	01-0384	100K
R104	01-0384 - SMD Resistor 1206 0.25W 1%	100K_1206_01-0384	Fitted	1	01-0384	100K
R105	01-1046 - SMD Resistor 1206 0.25W 1%	10R_1206_01-1046	Fitted	1	01-1046	10R
R108	31-0300.1 - VARISTOR_460V_8000A_KombiFP_200mm_14mm_Dish	VAR_460V_RM10_31-0300.1	Fitted	1	31-0300.1	460V_Kombi
T1	04-5803 - Trafo Wuerth 750315367	Trafo_750315367_04-5803	Fitted	1	04-5803	Trafo_750315367
T2	xx-xxx - Schaltnetzteil 24V 5Watt	SMPS-MW-IRM-05	Fitted	1	xx-xxx	SMPS 24V 5W
T3	xx-xxxx - Schaltnetzteil 24V 15Watt	SMPS-MW-NFM-15	Fitted	1	xx-xxxx	SMPS 24V 15W
T4	04-3049 - Stromwandler 110H 6A 115Rdc	T60404-E4622-X501_04-3049	Fitted	1	04-3049	T60404-E4622-X501
T5	04-3049 - Stromwandler 110H 6A 115Rdc	T60404-E4622-X501_04-3049	Fitted	1	04-3049	T60404-E4622-X501
T6	04-3049 - Stromwandler 110H 6A 115Rdc	T60404-E4622-X501_04-3049	Fitted	1	04-3049	T60404-E4622-X501



Designator	Description	LibRef	Fitted	Quantity	Partnumber	PartType
TP1	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP2	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP3	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP4	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP5	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP6	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP7	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP8	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP9	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP10	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP11	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP12	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP13	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP104	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
TP106	99-0014- Testpunkt 1mm rund	Testpunkt_1mm_rund	Fitted	1	99-0014	Testpunkt
V1	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V2	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V3	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V4	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V5	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V6	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V7	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V8	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V9	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V10	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V11	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V12	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V13	08-1107 Diode SMT_MiniMelf 0.6A_50V_0.5W	LL4150_08-1107	Fitted	1	08-1107	LL4150
V14	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V15	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V18	08-1107 Diode SMT_MiniMelf 0.6A_50V_0.5W	LL4150_08-1107	Fitted	1	08-1107	LL4150
V19	08-1152 PNP Standard 1fach SMT_SOT23-0:1A_45V_0.25W BCX7H	TT_BCX7H_08-1152	Fitted	1	08-1152	BCX7H
V20	08-4551 - SMB Schottky Rectifier 80V 2A	D_SK28_08-4551	Fitted	1	08-4551	SK28
V21	08-0026-1 - Z-Diode 5% 18V MiniMelf	D_BZV55C18V_08-0026-1	Fitted	1	08-0026-1	BZV55C18V
V101	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V102	08-5559 Diode SMT_SMA_DO214AC.1.000V_1A	D_Diode_1.000V_1A_08-5559	Fitted	1	08-5559	S1M
V104	08-3426 Diode SMT_SMA_DO214AC.1A_800V_STTH108A	D_Diode_800V_08-3426	Fitted	1	08-3426	800V_1A
V106	08-1093-1 - SMA Gleichrichter 400V 1A	GL_US1G-E35AT_SMA_400V_1A_08-1093	Fitted	1	08-1093-1	US1G-E35AT
X1	05-0452 - Messpunkt Messing gedreht	Messpunkt_gedreht_05-0452	Fitted	1	05-0452	Messpunkt
X2	03-4353 - Faston 6.3mm stehend RM5.00	Faston_6.3mm_03-4353	Fitted	1	03-4353	Faston 1p
X3	24-1999 - Schraubklemme 1x3p 180° RM5.08	Schraubklemme_1x3p_RM5.08_24-1999	Fitted	1	24-1999	Schraubklemme
X200	24-2084 - BL_2x9p_V_RM2.54	BL_2x9p_V_RM2.54_24-2084	Fitted	1	24-2084	BL_2x9p_V_RM2.54_DualEntry
CT3	02-3514 - SMD Capacitor 0402 100nF 50V X7R	100nF_50V_0402_02-3514	Not Fitted	0	02-3514	100nF/50V
D1	11-7207 - BLJ4925G	BLJ4925G_11-7207	Not Fitted	0	11-7207	BLJ4925G
L1	04-5001 Ind.SMT_WE_GF_unpol.1000µH_30mA_74476630	Ind_74476630_04-5001	Not Fitted	0	04-5001	1000µH/30mA



Designator	Description	LibRef	Fitted	Quantity	Partnumber	PartType
L4	04-5001_Ind_SMT_WE_GF_unpol_1000µH_30mA_74476630	Ind_74476630_04-5001	Not Fitted	0	04-5001	1000µH/30mA
R13	01-0160 - SMD Resistor 1206 0.25W 5%	OR_1206_01-0160	Not Fitted	0	01-0160	OR
R14	01-1046 - SMD Resistor 1206 0.25W 1%	10R_1206_01-1046	Not Fitted	0	01-1046	10R
R15	01-4545 - SMD Resistor 0603 0.063W 0.1%	33k_0603_01-4545	Not Fitted	0	01-4545	33k/0.1%/25ppm
R31	01-0160 - SMD Resistor 1206 0.25W 5%	OR_1206_01-0160	Not Fitted	0	01-0160	OR
R32	01-0160 - SMD Resistor 1206 0.25W 5%	OR_1206_01-0160	Not Fitted	0	01-0160	OR
R33	01-0160 - SMD Resistor 1206 0.25W 5%	OR_1206_01-0160	Not Fitted	0	01-0160	OR
R35	01-0160 - SMD Resistor 1206 0.25W 5%	OR_1206_01-0160	Not Fitted	0	01-0160	OR
R36	01-0160 - SMD Resistor 1206 0.25W 5%	OR_1206_01-0160	Not Fitted	0	01-0160	OR
R45	01-0481 - SMD Resistor 0603 0.063W 5%	1k_0603_01-0481	Not Fitted	0	01-0481	1k
T100	04-5082_WUERTH_750370134	WUERTH_750370134_04-5082	Not Fitted	0	04-5082	750370134
V16	08-4551 - SMB Schottky Rectifier 80V 2A	D_SK28_08-4551	Not Fitted	0	08-4551	SK28
V17	08-1093-1 - SMA Gleichrichter 400V 1A	GI_US1G-E35AT_SMA_400V_1A_08-1093-1	Not Fitted	0	08-1093-1	US1G-E35AT
V105	08-7321 - Z-Diode BZG03C200_200V_SMA_DO-214AC	D_Z200V_SMA_DO-214AC_08-7321	Not Fitted	0	08-7321	BZG03C200
V109	08-4551 - SMB Schottky Rectifier 80V 2A	D_SK28_08-4551	Not Fitted	0	08-4551	SK28



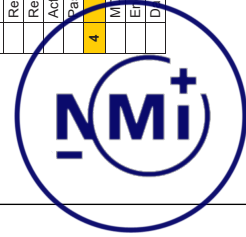
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2 Object list

The MCS301 supports below OBIS objects:

	Object name	IC class	OBIS Code	Protected
1	Abstract objects - Association & Security			
	SAP Assignment	17	0-041.0.0.255	
	Current association	15	0-040.0.0.255	
	Security Setup (Management Client/Pre.Est.)	64	0-043.0.0.255	
	Security-Receive Frame Counter-broadcast Key	64	0-043.0.2.255	
	Security-Receive Frame Counter-unicast Key	1	0-043.1.1.255	
	Security-Receive Frame Counter-unicast key (Reading Client)	1	0-043.1.2.255	
2	Abstract objects - ID's & control information			
	COSEM logical device name	1	0-042.0.0.255	X
	Device ID 1	1	0-096.1.0.255	
	Device ID 2	1	0-096.1.1.255	
	Device ID 3	1	0-096.1.2.255	
	Device ID 4	1	0-096.1.3.255	
	Device ID 5	1	0-096.1.4.255	
	Device ID 6	1	0-096.1.5.255	
	Device ID 7	1	1-010.0.0.255	
	Currently Active Energy Tariff	1	0-096.14.0.255	
	Currently Active Maximum Demand Tariff	1	0-096.14.1.255	
	Default Energy Tariff in case of invalid clock	1	0-096.14.9.255	
	Default Max. Demand Tariff in case of invalid clock	1	0-096.14.10.255	
	Ambient Temperature	3	0-096.9.0.255	
3	Abstract objects - Time related issues			
	Clock	8	0-011.0.0.255	
	Local Time	1	1-010.9.1.255	
	Local Date	1	1-010.9.2.255	
	Clock Time Shift Limit	3	1-010.9.11.255	
	Activity Calendar	20	0-013.0.0.255	
	Active Special Days Table	11	0-011.0.0.255	
	Passive Special Days Table	11	0-011.0.1.255	
	Register Activation- Energy	6	0-014.0.1.255	
	Register Activation- Maximum Demand	6	0-014.0.2.255	
	Active Tarification Script Table	9	0-010.1.00.255	
	Passive Tarification Script Table	9	0-010.1.100.255	
4	Abstract Objects - Billing Period Reset			
	MIRI Reset (Predefined Script)/ End of Billing Period	9	0-010.0.1.255	
	End of Billing Period 1 (Monthly)	22	0-015.0.0.255	
	Data of Billing Period 1 (Monthly)	7	0-098.1.0.255	



	Object name	IC class	OBIS Code	Protected
5	Abstract objects - Disconnecter, Load mgmt, Supervision			
	Disconnect/Reconnect Control Scheduler	22	0-016.0.1.255	
	Disconnecter Script Table	9	0-010.106.255	
	Disconnect Control	70	0-096.3.10.255	
	Event Object -Disconnecter Control log	1	0-096.11.2.255	
	Disconnecter Control Log	7	0-099.98.2.255	
	Limitier	71	0-017.0.0.255	
	Reclosing Configuration	1	0-094.98.28.255	
	Limitier Threshold Scheduler	22	0-094.98.18.255	
	Limitier Script Table	9	0-094.98.25.255	
6	Abstract objects - Errors & Alarms, Event logs			
	Error Register	1	0-097.97.0.255	X
	Alarm Register 1	1	0-097.98.0.255	
	Alarm Filler 1	1	0-097.98.10.255	
	Alarm Descriptor 1	1	0-097.98.20.255	
	Alarm Monitor 1	21	0-016.1.0.255	
	Alarm Register 2	1	0-097.98.1.255	
	Alarm Filler 2	1	0-097.98.11.255	
	Alarm Descriptor 2	1	0-097.98.21.255	
	Alarm Monitor 2	21	0-016.1.1.255	
	Event Object -Standard Event Log	1	0-096.11.0.255	
	Event Parameter-Standard event log	1	0-096.11.10.255	
	Standard Event Log	7	0-099.98.0.255	
	Event Object -Fraud Detection Log	1	0-096.11.1.255	
	Fraud Detection Log	7	0-099.98.1.255	
	Event Object - Communication Log	1	0-096.11.5.255	
	Communication Log	7	0-099.98.5.255	
7	Abstract objects - User Interface			
	Consumer Message Text	1	0-096.13.0.255	
	Consumer Message Code	1	0-096.13.1.255	
	Push action scheduler - Consumer Information	22	0-4.15.0.4.255	
	Push setup - Consumer Information	40	0-6.25.0.0.255	
	Security setup - Consumer Information	64	0-0.43.0.1.255	
8	Abstract objects - Firmware Upgrade			
	Image transfer	18	0-0.44.0.0.255	X
	Image Transfer Activation Scheduler	22	0-016.0.2.255	X
	Predefined Scripts -image activation	9	0-010.107.255	X
	Active firmware identifier	1	1-0.0.2.0.255	X
	Active firmware signature	1	1-0.0.2.8.255	X
	Active firmware identifier 1	1	1-1.0.2.0.255	X
	Active firmware signature 1	1	1-1.0.2.8.255	X
	Active firmware identifier 2	1	1-2.0.2.0.255	X
	Active firmware signature 2	1	1-2.0.2.8.255	X

9	Electricity Related Objects - Totals and phase specific	IC class	OBIS Code	protected
	Active energy import (+A)	3	1-0-1.8.0.255	X
	Active energy export (-A)	3	1-0-2.8.0.255	X
	Active energy (I+A+(-A)) Combined total	3	1-0-15.8.0.255	X
	Active energy (I+A+(-A)) Net total	3	1-0-16.8.0.255	X
	Reactive energy QI (+R)	3	1-0-5.8.0.255	X
	Reactive energy QII (+Rc)	3	1-0-6.8.0.255	X
	Reactive energy QIII (+R)	3	1-0-7.8.0.255	X
	Reactive energy QIV (+Rc) L1	3	1-0-8.0.255	X
	Reactive energy QIV (+Rc) L2	3	1-0-3.8.0.255	X
	Reactive energy export (-R)(QII+QIV)	3	1-0-4.8.0.255	X
	Apparent energy import (+VA)(QI+QIV)	3	1-0-9.8.0.255	X
	Apparent energy export (-VA)(QII+QIII)	3	1-0-10.8.0.255	X
	Ampere-hours in absence of voltage L1	3	1-0-31.8.0.255	X
	Ampere-hours in absence of voltage L2	3	1-0-51.8.0.255	X
	Ampere-hours in absence of voltage L3	3	1-0-71.8.0.255	X
	Active energy import (+A) L1	3	1-0-21.8.0.255	X
	Active energy import (+A) L2	3	1-0-41.8.0.255	X
	Active energy import (+A) L3	3	1-0-61.8.0.255	X
	Active energy export (-A) L1	3	1-0-22.8.0.255	X
	Active energy export (-A) L2	3	1-0-42.8.0.255	X
	Active energy export (-A) L3	3	1-0-62.8.0.255	X
	Reactive energy QI (+R) L1	3	1-0-25.8.0.255	X
	Reactive energy QI (+R) L2	3	1-0-45.8.0.255	X
	Reactive energy QI (+R) L3	3	1-0-65.8.0.255	X
	Reactive energy QII (+Rc) L1	3	1-0-26.8.0.255	X
	Reactive energy QII (+Rc) L2	3	1-0-46.8.0.255	X
	Reactive energy QII (+Rc) L3	3	1-0-66.8.0.255	X
	Reactive energy QIII (-R) L1	3	1-0-27.8.0.255	X
	Reactive energy QIII (-R) L2	3	1-0-47.8.0.255	X
	Reactive energy QIII (-R) L3	3	1-0-67.8.0.255	X
	Reactive energy QIV (-Rc) L1	3	1-0-28.8.0.255	X
	Reactive energy QIV (-Rc) L2	3	1-0-48.8.0.255	X
	Reactive energy QIV (-Rc) L3	3	1-0-68.8.0.255	X
	Reactive energy import (+R)(QI+QII) L1	3	1-0-23.8.0.255	X
	Reactive energy import (+R)(QI+QII) L2	3	1-0-43.8.0.255	X
	Reactive energy import (+R)(QI+QII) L3	3	1-0-63.8.0.255	X
	Reactive energy export (-R)(QIII+QIV) L1	3	1-0-24.8.0.255	X
	Reactive energy export (-R)(QIII+QIV) L2	3	1-0-44.8.0.255	X
	Reactive energy export (-R)(QIII+QIV) L3	3	1-0-64.8.0.255	X
	Apparent energy import (+VA)(QI+QIV) L1	3	1-0-29.8.0.255	X
	Apparent energy import (+VA)(QI+QIV) L2	3	1-0-49.8.0.255	X
	Apparent energy import (+VA)(QI+QIV) L3	3	1-0-69.8.0.255	X
	Apparent energy export (-VA)(QII+QIII) L1	3	1-0-30.8.0.255	X
	Apparent energy export (-VA)(QII+QIII) L2	3	1-0-50.8.0.255	X
	Apparent energy export (-VA)(QII+QIII) L3	3	1-0-70.8.0.255	X
	Copper losses total (+U*U _h)	3	1-0-83.8.1.255	X
	Copper losses total (-U*U _h)	3	1-0-83.8.2.255	X
	Line losses total (+I*I _h)	3	1-0-83.8.4.255	X
	Line losses total (-I*I _h)	3	1-0-83.8.5.255	X

10	Electricity Related Objects - Intervals	OBIS Code	protected	
	Active energy import (+A) (interval)	3	1-0-1.29.0.255	X
	Active energy export (-A) (interval)	3	1-0-2.29.0.255	X
	Reactive energy import (+R)(QII+QIII) (interval)	3	1-0-3.29.0.255	X
	Reactive energy export (-R)(QII+QIV) (interval)	3	1-0-4.29.0.255	X
	Apparent energy import (+VA)(QI+QIV) (interval)	3	1-0-9.29.0.255	X
	Apparent energy export (-VA)(QII+QIII) (interval)	3	1-0-10.29.0.255	X
	Active energy import (+A) rate 1	3	1-0-1.8.1.255	X
	Active energy import (+A) rate 2	3	1-0-1.8.2.255	X
	Active energy import (+A) rate 3	3	1-0-1.8.3.255	X
	Active energy import (+A) rate 4	3	1-0-1.8.4.255	X
	Active energy import (+A) rate 5	3	1-0-1.8.5.255	X
	Active energy import (+A) rate 6	3	1-0-1.8.6.255	X
	Active energy import (+A) rate 7	3	1-0-1.8.7.255	X
	Active energy export (-A) rate 1	3	1-0-2.8.1.255	X
	Active energy export (-A) rate 2	3	1-0-2.8.2.255	X
	Active energy export (-A) rate 3	3	1-0-2.8.3.255	X
	Active energy export (-A) rate 4	3	1-0-2.8.4.255	X
	Active energy export (-A) rate 5	3	1-0-2.8.5.255	X
	Active energy export (-A) rate 6	3	1-0-2.8.6.255	X
	Active energy export (-A) rate 7	3	1-0-2.8.7.255	X
	Active energy export (-A) rate 8	3	1-0-2.8.8.255	X
	Reactive energy (+R) rate 1	3	1-0-3.8.1.255	X
	Reactive energy (+R) rate 2	3	1-0-3.8.2.255	X
	Reactive energy (+R) rate 3	3	1-0-3.8.3.255	X
	Reactive energy (+R) rate 4	3	1-0-3.8.4.255	X
	Reactive energy (+R) rate 5	3	1-0-3.8.5.255	X
	Reactive energy (+R) rate 6	3	1-0-3.8.6.255	X
	Reactive energy (+R) rate 7	3	1-0-3.8.7.255	X
	Reactive energy (+R) rate 8	3	1-0-3.8.8.255	X
	Reactive energy (-R) rate 1	3	1-0-4.8.1.255	X
	Reactive energy (-R) rate 2	3	1-0-4.8.2.255	X
	Reactive energy (-R) rate 3	3	1-0-4.8.3.255	X
	Reactive energy (-R) rate 4	3	1-0-4.8.4.255	X
	Reactive energy (-R) rate 5	3	1-0-4.8.5.255	X
	Reactive energy (-R) rate 6	3	1-0-4.8.6.255	X
	Reactive energy (-R) rate 7	3	1-0-4.8.7.255	X
	Reactive energy (-R) rate 8	3	1-0-4.8.8.255	X
	Reactive energy QI (+R) rate 1	3	1-0-5.8.1.255	X
	Reactive energy QI (+R) rate 2	3	1-0-5.8.2.255	X
	Reactive energy QI (+R) rate 3	3	1-0-5.8.3.255	X
	Reactive energy QI (+R) rate 4	3	1-0-5.8.4.255	X
	Reactive energy QI (+R) rate 5	3	1-0-5.8.5.255	X
	Reactive energy QI (+R) rate 6	3	1-0-5.8.6.255	X
	Reactive energy QI (+R) rate 7	3	1-0-5.8.7.255	X
	Reactive energy QI (+R) rate 8	3	1-0-5.8.8.255	X
	Reactive energy QII (+Rc) rate 1	3	1-0-6.8.1.255	X
	Reactive energy QII (+Rc) rate 2	3	1-0-6.8.2.255	X



Object name	IC class	OBIS Code	protected
Reactive energy QII (+Rc) rate 3	3	1-0-6.8.3.255	X
Reactive energy QII (+Rc) rate 4	3	1-0-6.8.4.255	X
Reactive energy QII (+Rc) rate 5	3	1-0-6.8.5.255	X
Reactive energy QII (+Rc) rate 6	3	1-0-6.8.6.255	X
Reactive energy QII (+Rc) rate 7	3	1-0-6.8.7.255	X
Reactive energy QII (+Rc) rate 8	3	1-0-6.8.8.255	X
Reactive energy QIII (-Ri) rate 1	3	1-0-7.8.1.255	X
Reactive energy QIII (-Ri) rate 2	3	1-0-7.8.2.255	X
Reactive energy QIII (-Ri) rate 3	3	1-0-7.8.3.255	X
Reactive energy QIII (-Ri) rate 4	3	1-0-7.8.4.255	X
Reactive energy QIII (-Ri) rate 5	3	1-0-7.8.5.255	X
Reactive energy QIII (-Ri) rate 6	3	1-0-7.8.6.255	X
Reactive energy QIII (-Ri) rate 7	3	1-0-7.8.7.255	X
Reactive energy QIII (-Ri) rate 8	3	1-0-7.8.8.255	X
Reactive energy QIV (-Rc) rate 1	3	1-0-8.8.1.255	X
Reactive energy QIV (-Rc) rate 2	3	1-0-8.8.2.255	X
Reactive energy QIV (-Rc) rate 3	3	1-0-8.8.3.255	X
Reactive energy QIV (-Rc) rate 4	3	1-0-8.8.4.255	X
Reactive energy QIV (-Rc) rate 5	3	1-0-8.8.5.255	X
Reactive energy QIV (-Rc) rate 6	3	1-0-8.8.6.255	X
Reactive energy QIV (-Rc) rate 7	3	1-0-8.8.7.255	X
Reactive energy QIV (-Rc) rate 8	3	1-0-8.8.8.255	X
Apparent energy import (+VA)(QI+QIV) rate 1	3	1-0-9.8.1.255	X
Apparent energy import (+VA)(QI+QIV) rate 2	3	1-0-9.8.2.255	X
Apparent energy import (+VA)(QI+QIV) rate 3	3	1-0-9.8.3.255	X
Apparent energy import (+VA)(QI+QIV) rate 4	3	1-0-9.8.4.255	X
Apparent energy import (+VA)(QI+QIV) rate 5	3	1-0-9.8.5.255	X
Apparent energy import (+VA)(QI+QIV) rate 6	3	1-0-9.8.6.255	X
Apparent energy import (+VA)(QI+QIV) rate 7	3	1-0-9.8.7.255	X
Apparent energy import (+VA)(QI+QIV) rate 8	3	1-0-9.8.8.255	X
Apparent energy export (-VA)(QII+QIII) rate 1	3	1-0-10.8.1.255	X
Apparent energy export (-VA)(QII+QIII) rate 2	3	1-0-10.8.2.255	X
Apparent energy export (-VA)(QII+QIII) rate 3	3	1-0-10.8.3.255	X
Apparent energy export (-VA)(QII+QIII) rate 4	3	1-0-10.8.4.255	X
Apparent energy export (-VA)(QII+QIII) rate 5	3	1-0-10.8.5.255	X
Apparent energy export (-VA)(QII+QIII) rate 6	3	1-0-10.8.6.255	X
Apparent energy export (-VA)(QII+QIII) rate 7	3	1-0-10.8.7.255	X
Apparent energy export (-VA)(QII+QIII) rate 8	3	1-0-10.8.8.255	X
Active energy Combined total ((+A)(+A)) rate 1	3	1-0-15.8.1.255	X
Active energy Combined total ((+A)(+A)) rate 2	3	1-0-15.8.2.255	X
Active energy Combined total ((+A)(+A)) rate 3	3	1-0-15.8.3.255	X
Active energy Combined total ((+A)(+A)) rate 4	3	1-0-15.8.4.255	X
Active energy Combined total ((+A)(+A)) rate 5	3	1-0-15.8.5.255	X
Active energy Combined total ((+A)(+A)) rate 6	3	1-0-15.8.6.255	X
Active energy Combined total ((+A)(+A)) rate 7	3	1-0-15.8.7.255	X
Active energy Combined total ((+A)(+A)) rate 8	3	1-0-15.8.8.255	X
Active energy net total ((+A)(+A)) rate 1	3	1-0-16.8.1.255	X
Active energy net total ((+A)(+A)) rate 2	3	1-0-16.8.2.255	X
Active energy net total ((+A)(+A)) rate 3	3	1-0-16.8.3.255	X
Active energy net total ((+A)(+A)) rate 4	3	1-0-16.8.4.255	X
Active energy net total ((+A)(+A)) rate 5	3	1-0-16.8.5.255	X

Object name	IC class	OBIS Code	protected
Active energy net total ((+A)(+A)) rate 6	3	1-0-16.8.6.255	X
Active energy net total ((+A)(+A)) rate 7	3	1-0-16.8.7.255	X
Active energy net total ((+A)(+A)) rate 8	3	1-0-16.8.8.255	X
12 Electricity related objects - Demand			
Demand Register 1 - Active energy import (+A)	5	1-0-1.4.0.255	X
Demand Register 2 - Active energy export (-A)	5	1-0-2.4.0.255	X
Demand Register 3 - Reactive energy import (+R)	5	1-0-3.4.0.255	X
Demand Register 4 - Reactive energy export (-R)	5	1-0-4.4.0.255	X
Demand Register 5 - Apparent energy import (+S)	5	1-0-9.4.0.255	X
Demand Register 6 - Apparent energy export (-S)	5	1-0-10.4.0.255	X
Demand Register 7 - Active energy Combined total ((+A)(+A))	5	1-0-15.4.0.255	X
13 Electricity related objects - Maximum Demand			
Maximum Demand Register 1 - Active energy import (+A)	4	1-0-1.6.0.255	X
Maximum Demand Register 2 - Active energy import (+A)	4	1-0-1.6.1.255	X
Maximum Demand Register 3 - Active energy import (+A)	4	1-0-1.6.2.255	X
Maximum Demand Register 4 - Active energy import (+A)	4	1-0-1.6.3.255	X
Maximum Demand Register 5 - Active energy import (+A)	4	1-0-1.6.4.255	X
Maximum Demand Register 6 - Active energy export (-A)	4	1-0-2.6.0.255	X
Maximum Demand Register 7 - Active energy export (-A)	4	1-0-2.6.1.255	X
Maximum Demand Register 8 - Active energy export (-A)	4	1-0-2.6.2.255	X
Maximum Demand Register 9 - Active energy export (-A)	4	1-0-2.6.3.255	X
Maximum Demand Register 10 - Active energy export (-A)	4	1-0-2.6.4.255	X
Maximum Demand Register 11 - Reactive energy import (+R)	4	1-0-3.6.0.255	X
Maximum Demand Register 12 - Reactive energy import (+R)	4	1-0-3.6.1.255	X
Maximum Demand Register 13 - Reactive energy import (+R)	4	1-0-3.6.2.255	X
Maximum Demand Register 14 - Reactive energy import (+R)	4	1-0-3.6.3.255	X
Maximum Demand Register 15 - Reactive energy import (+R)	4	1-0-3.6.4.255	X
Maximum Demand Register 16 - Reactive energy export (-R)	4	1-0-4.6.0.255	X
Maximum Demand Register 17 - Reactive energy export (-R)	4	1-0-4.6.1.255	X
Maximum Demand Register 18 - Reactive energy export (-R)	4	1-0-4.6.2.255	X
Maximum Demand Register 19 - Reactive energy export (-R)	4	1-0-4.6.3.255	X
Maximum Demand Register 20 - Reactive energy export (-R)	4	1-0-4.6.4.255	X
Maximum Demand - Apparent energy import (+VA)	4	1-0-9.6.0.255	X
Maximum Demand - Apparent energy import (+VA) rate 1	4	1-0-9.6.1.255	X
Maximum Demand - Apparent energy import (+VA) rate 2	4	1-0-9.6.2.255	X
Maximum Demand - Apparent energy import (+VA) rate 3	4	1-0-9.6.3.255	X
Maximum Demand - Apparent energy import (+VA) rate 4	4	1-0-9.6.4.255	X
Maximum Demand - Apparent energy export (-VA)	4	1-0-10.6.0.255	X
Maximum Demand - Apparent energy export (-VA) rate 1	4	1-0-10.6.1.255	X
Maximum Demand - Apparent energy export (-VA) rate 2	4	1-0-10.6.2.255	X
Maximum Demand - Apparent energy export (-VA) rate 3	4	1-0-10.6.3.255	X
Maximum Demand - Apparent energy export (-VA) rate 4	4	1-0-10.6.4.255	X
Maximum Demand Register 31 - Active energy Combined total ((+A)(+A))	4	1-0-15.6.0.255	X
Maximum Demand Register 32 - Active energy Combined total ((+A)(+A)) rate 1	4	1-0-15.6.1.255	X
Maximum Demand Register 33 - Active energy Combined total ((+A)(+A)) rate 2	4	1-0-15.6.2.255	X
Maximum Demand Register 34 - Active energy Combined total ((+A)(+A)) rate 3	4	1-0-15.6.3.255	X
Maximum Demand Register 35 - Active energy Combined total ((+A)(+A)) rate 4	4	1-0-15.6.4.255	X



Object name	IC class	OBIS Code	protected
Maximum Demand Register 36-Active energy Combined total (I(A)-I(A)) (recording interval Z)	4	1-0:15.64.0.255	X
Maximum Demand Register 37-Active energy import total (+A) (recording interval Z)	4	1-0:1.54.0.255	X
14 Electricity related objects - Profiles			
Profile Status 1 (Load profile with period 1)	1	0-0:96.10.1.255	X
Load profile 1	7	1-0:99.1.0.255	X
Profile Status 2 (Load profile with period 2)	1	0-0:96.10.2.255	X
Load profile 2	7	1-0:99.2.0.255	X
Profile Status 3 (Harmonic Values)	1	0-0:96.10.9.255	X
Profile Status 4 (Avg., Min., Max.)	1	0-0:96.10.10.255	X
Average Value Profile	7	1-0:99.133.0.255	
Max.Values Profile	7	1-0:99.134.0.255	
Min. Values Profile	7	1-0:99.135.0.255	
Harmonics Profile	7	1-0:99.136.0.255	
Instantaneous Energy Values	7	0-0:21.0.6.255	
Power Quality Instantaneous Values	7	0-0:21.0.5.255	
15 Electricity related objects - PQ, monitored values			
Number of Short Power Failure in Any Phases	1	0-0:96.7.21.255	
Number of long power failures in any phase	1	0-0:96.7.9.255	
Time threshold for long power failure	3	0-0:96.7.20.255	
Duration of last long power failure in any phase	3	0-0:96.7.19.255	
Threshold for Under Voltage (sag)	3	1-0:12.31.0.255	
Time Threshold for Under Voltage (sag)	3	1-0:12.43.0.255	
Number of Under Voltages (sag) in phase L1	1	1-0:32.32.0.255	
Number of Under Voltages (sag) in phase L2	1	1-0:52.32.0.255	
Number of Under Voltages (sag) in phase L3	1	1-0:72.32.0.255	
Duration of Under Voltage (sag) in phase L1	3	1-0:32.33.0.255	
Duration of Under Voltage (sag) in phase L2	3	1-0:52.33.0.255	
Duration of Under Voltage (sag) in phase L3	3	1-0:72.33.0.255	
Magnitude of Under Voltage (sag) in phase L1	3	1-0:32.34.0.255	
Magnitude of Under Voltage (sag) in phase L2	3	1-0:52.34.0.255	
Magnitude of Under Voltage (sag) in phase L3	3	1-0:72.34.0.255	
Threshold for Over Voltage (swell)	3	1-0:12.35.0.255	
Time threshold for Over Voltage (swell)	3	1-0:12.44.0.255	
Number of Over Voltage (swell) in phase L1	1	1-0:32.36.0.255	
Number of Over Voltage (swell) in phase L2	1	1-0:52.36.0.255	
Number of Over Voltage (swell) in phase L3	1	1-0:72.36.0.255	
Duration of Over Voltage (swell) in phase L1	3	1-0:32.37.0.255	
Duration of Over Voltage (swell) in phase L2	3	1-0:52.37.0.255	
Duration of Over Voltage (swell) in phase L3	3	1-0:72.37.0.255	
Magnitude of Over Voltage (swell) in phase L1	3	1-0:32.38.0.255	
Magnitude of Over Voltage (swell) in phase L2	3	1-0:52.38.0.255	
Magnitude of Over Voltage (swell) in phase L3	3	1-0:72.38.0.255	
Threshold for missing voltage (voltage out)	3	1-0:12.39.0.255	
Time threshold for voltage cut	3	1-0:12.45.0.255	
Event Object -Power Failure Log	1	0-0:96.11.6.255	
Power Failure Event Log	7	1-0:99.87.0.255	
Event Object -Power Quality Log	1	0-0:96.11.4.255	
Power Quality Log	7	0-0:99.98.4.255	
Number of power failures in all phases	1	0-0:96.7.0.255	

Object name	IC class	OBIS Code	protected
Number of power failures phase L1	1	0-0:96.7.1.255	
Number of power failures phase L2	1	0-0:96.7.2.255	
Number of power failures phase L3	1	0-0:96.7.3.255	
Number of long power failures in all phases	1	0-0:96.7.5.255	
Number of long power failures in phase L1	1	0-0:96.7.6.255	
Number of long power failures in phase L2	1	0-0:96.7.7.255	
Number of long power failures in phase L3	1	0-0:96.7.8.255	
Duration of Last Long Power Failure in All Phases	3	0-0:96.7.15.255	
Duration of Last Long Power Failure in Phase L1	3	0-0:96.7.16.255	
Duration of Last Long Power Failure in Phase L2	3	0-0:96.7.17.255	
Duration of Last Long Power Failure in Phase L3	3	0-0:96.7.18.255	
Instantaneous current L0 (neutral)	3	1-0:91.7.0.255	
Instantaneous voltage L1	3	1-0:32.7.0.255	
Average voltage L1	3	1-0:32.24.0.255	
Instantaneous current L1 (for fuse supervision)	3	1-0:31.7.0.255	
Sliding Average current L1 (for fuse supervision)	5	1-0:31.4.0.255	
Instantaneous voltage L2	3	1-0:52.7.0.255	
Average voltage L2	3	1-0:52.24.0.255	
Instantaneous current L2 (for fuse supervision)	3	1-0:51.7.0.255	
Sliding Average current L2 (for fuse supervision)	5	1-0:51.4.0.255	
Instantaneous voltage L3	3	1-0:72.7.0.255	
Average voltage L3	3	1-0:72.24.0.255	
Instantaneous current L3 (for fuse supervision)	3	1-0:71.7.0.255	
Sliding Average current L3 (for fuse supervision)	5	1-0:71.4.0.255	
Instantaneous current(sum over all phases)	3	1-0:90.7.0.255	
Instantaneous neutral current calculated	3	1-0:91.7.3.255	
Instantaneous net frequency	3	1-0:14.7.0.255	
Instantaneous active power (I(A)H(A))	3	1-0:15.7.0.255	
Instantaneous active import power (+A)	3	1-0:1.7.0.255	
Instantaneous active export power (-A)	3	1-0:2.7.0.255	
Instantaneous reactive import power (+R)	3	1-0:3.7.0.255	
Instantaneous reactive export power (-R)	3	1-0:4.7.0.255	
Instantaneous apparent import power (+VA)	3	1-0:9.7.0.255	
Instantaneous apparent export power (-VA)	3	1-0:10.7.0.255	
Instantaneous active import power (+A) L1	3	1-0:21.7.0.255	
Instantaneous active export power (-A) L1	3	1-0:22.7.0.255	
Instantaneous reactive import power (+R) L1	3	1-0:23.7.0.255	
Instantaneous reactive export power (-R) L1	3	1-0:24.7.0.255	
Instantaneous apparent import power (+VA) L1	3	1-0:29.7.0.255	
Instantaneous apparent export power (-VA) L1	3	1-0:30.7.0.255	
Instantaneous power factor (PF) L1	3	1-0:33.7.0.255	
Instantaneous active import power (+A) L2	3	1-0:41.7.0.255	
Instantaneous active export power (-A) L2	3	1-0:42.7.0.255	
Instantaneous reactive import power (+R) L2	3	1-0:43.7.0.255	
Instantaneous reactive export power (-R) L2	3	1-0:44.7.0.255	
Instantaneous apparent import power (+VA) L2	3	1-0:49.7.0.255	
Instantaneous apparent export power (-VA) L2	3	1-0:50.7.0.255	
Instantaneous power factor (PF) L2	3	1-0:53.7.0.255	
Instantaneous active import power (+A) L3	3	1-0:61.7.0.255	
Instantaneous active export power (-A) L3	3	1-0:62.7.0.255	
Instantaneous reactive import power (+R) L3	3	1-0:63.7.0.255	
Instantaneous reactive export power (-R) L3	3	1-0:64.7.0.255	



Object name	IC class	OBIS Code	protected
Instantaneous reactive export power (-R) L3	3	1-084.7.0.255	
Instantaneous apparent import power (+VA) L3	3	1-089.7.0.255	
Instantaneous apparent export power (-VA) L3	3	1-070.7.0.255	
Instantaneous power factor (PF) L3	3	1-073.7.0.255	
Average Import Power (+A)	5	1-01.24.0.255	
Average Net Power (+A -A)	5	1-01.24.0.255	
Average Total Power (+A+VA)	5	1-013.7.0.255	
Instantaneous Power factor (+A+VA)	3	1-081.7.4.255	
Phase Angle from I(L1) to U(L1)	3	1-081.7.15.255	
Phase Angle from I(L2) to U(L2)	3	1-081.7.15.255	
Phase Angle from I(L3) to U(L3)	3	1-081.7.15.255	
Phase Angle from U(L1) to U(L1)	3	1-081.7.0.255	
Phase Angle from U(L2) to U(L2)	3	1-081.7.10.255	
Phase Angle from U(L3) to U(L3)	3	1-081.7.10.255	
Measurement Period 1 for Demand	3	1-00.8.0.255	X
Measurement Period 2 for Demand 2	3	1-00.8.1.255	X
Measurement Period 3 for Instantaneous values	3	1-00.8.2.255	
16 Average, Max and Min values (interval)			
Last average value of voltage L1	3	1-032.25.0.255	
Last average value of voltage L2	3	1-032.25.0.255	
Last average value of voltage L3	3	1-072.25.0.255	
Last average value of current L1	3	1-031.25.0.255	
Last average value of current L2	3	1-051.25.0.255	
Last average value of current L3	3	1-071.25.0.255	
Last average value of power factor L1	3	1-053.25.0.255	
Last average value of power factor L2	3	1-073.25.0.255	
Last average value of power factor L3	3	1-073.25.0.255	
Last average value of power factor	3	1-014.25.0.255	
Last average value of net frequency	3	1-01.25.0.255	
Last average value of import active power	3	1-01.25.0.255	
Last average value of export active power	3	1-02.25.0.255	
Last average value of import reactive power	3	1-03.25.0.255	
Last average value of export reactive power	3	1-04.25.0.255	
Last average value of import apparent power	3	1-09.25.0.255	
Last average value of export apparent power	3	1-10.25.0.255	
Last average value of import active power L1	3	1-021.25.0.255	
Last average value of export active power L1	3	1-023.25.0.255	
Last average value of import active power L2	3	1-029.25.0.255	
Last average value of export active power L2	3	1-031.25.0.255	
Last average value of import active power L3	3	1-041.25.0.255	
Last average value of export active power L3	3	1-042.25.0.255	
Last average value of import reactive power L1	3	1-043.25.0.255	
Last average value of export reactive power L1	3	1-044.25.0.255	
Last average value of import reactive power L2	3	1-049.25.0.255	
Last average value of export reactive power L2	3	1-051.25.0.255	
Last average value of import reactive power L3	3	1-063.25.0.255	
Last average value of export reactive power L3	3	1-064.25.0.255	
Last average value of import apparent power L1	3	1-070.25.0.255	
Last average value of export apparent power L1	3	1-072.25.0.255	
Last average value of import apparent power L2	3	1-079.25.0.255	
Last average value of export apparent power L2	3	1-081.25.0.255	
Last average value of import apparent power L3	3	1-093.25.0.255	
Last average value of export apparent power L3	3	1-094.25.0.255	
Last average value of import active power L1	3	1-081.25.0.255	
Last average value of export active power L1	3	1-082.25.0.255	
Last average value of import active power L2	3	1-089.25.0.255	
Last average value of export active power L2	3	1-091.25.0.255	
Last average value of import active power L3	3	1-093.25.0.255	
Last average value of export active power L3	3	1-094.25.0.255	

Object name	IC class	OBIS Code	protected
Last average value of import apparent power L3	3	1-089.25.0.255	
Last average value of export apparent power L3	3	1-070.25.0.255	
Last Maximum value of voltage L1	3	1-032.26.0.255	
Last Maximum value of voltage L2	3	1-052.26.0.255	
Last Maximum value of voltage L3	3	1-072.26.0.255	
Last Maximum value of current L1	3	1-031.26.0.255	
Last Maximum value of current L2	3	1-051.26.0.255	
Last Maximum value of power factor L1	3	1-033.26.0.255	
Last Maximum value of power factor L2	3	1-053.26.0.255	
Last Maximum value of power factor L3	3	1-073.26.0.255	
Last Maximum value of power factor	3	1-013.26.0.255	
Last Maximum value of net frequency	3	1-014.26.0.255	
Last Maximum value of import active power	3	1-01.26.0.255	
Last Maximum value of export active power	3	1-02.26.0.255	
Last Maximum value of import apparent power	3	1-09.26.0.255	
Last Maximum value of export apparent power	3	1-10.26.0.255	
Last maximum value of import active power L1	3	1-021.26.0.255	
Last maximum value of export active power L1	3	1-022.26.0.255	
Last maximum value of import reactive power L1	3	1-023.26.0.255	
Last maximum value of export reactive power L1	3	1-024.26.0.255	
Last maximum value of import apparent power L1	3	1-029.26.0.255	
Last maximum value of export apparent power L1	3	1-030.26.0.255	
Last maximum value of import active power L2	3	1-041.26.0.255	
Last maximum value of export active power L2	3	1-042.26.0.255	
Last maximum value of import reactive power L2	3	1-043.26.0.255	
Last maximum value of export reactive power L2	3	1-044.26.0.255	
Last maximum value of import apparent power L2	3	1-049.26.0.255	
Last maximum value of export apparent power L2	3	1-051.26.0.255	
Last maximum value of import active power L3	3	1-063.26.0.255	
Last maximum value of export active power L3	3	1-064.26.0.255	
Last maximum value of import apparent power L3	3	1-069.26.0.255	
Last Minimum value of voltage L1	3	1-032.23.0.255	
Last Minimum value of voltage L2	3	1-052.23.0.255	
Last Minimum value of voltage L3	3	1-072.23.0.255	
Last Minimum value of current L1	3	1-031.23.0.255	
Last Minimum value of current L2	3	1-051.23.0.255	
Last Minimum value of power factor L1	3	1-033.23.0.255	
Last Minimum value of power factor L2	3	1-053.23.0.255	
Last Minimum value of power factor L3	3	1-073.23.0.255	
Last Minimum value of power factor	3	1-013.23.0.255	
Last Minimum value of net frequency	3	1-014.23.0.255	
Last Minimum value of import active power	3	1-01.23.0.255	
Last Minimum value of export active power	3	1-02.23.0.255	
Last Minimum value of import reactive power	3	1-03.23.0.255	
Last Minimum value of export reactive power	3	1-04.23.0.255	



Object name	IC class	OBIS Code	protected
Last Average value of 7th harmonic current L3	3	1-0-71.24.7.255	
Last Average value of 9th harmonic current L1	3	1-0-31.24.9.255	
Last Average value of 9th harmonic current L2	3	1-0-51.24.9.255	
Last Average value of 9th harmonic current L3	3	1-0-71.24.9.255	
Last Average value of 11th harmonic current L1	3	1-0-31.24.11.255	
Last Average value of 11th harmonic current L2	3	1-0-51.24.11.255	
Last Average value of 11th harmonic current L3	3	1-0-71.24.11.255	
Last Average value of 13th harmonic current L1	3	1-0-31.24.13.255	
Last Average value of 13th harmonic current L2	3	1-0-51.24.13.255	
Last Average value of 13th harmonic current L3	3	1-0-71.24.13.255	
Last Average value of 15th harmonic current L1	3	1-0-31.24.15.255	
Last Average value of 15th harmonic current L2	3	1-0-51.24.15.255	
Last Average value of 15th harmonic current L3	3	1-0-71.24.15.255	
Last Average value of THD of current L1	3	1-0-31.24.124.255	
Last Average value of THD of current L2	3	1-0-51.24.124.255	
Last Average value of THD of current L3	3	1-0-71.24.124.255	
18 M-Bus related objects			
M-Bus master port setup 1	74	0-0-24.6.0.255	
M-Bus master port setup 2	74	0-1-24.6.0.255	
M-Bus client channel 1	72	0-1-24.1.0.255	
M-Bus client channel 2	72	0-2-24.1.0.255	
M-Bus client channel 3	72	0-3-24.1.0.255	
M-Bus client channel 4	72	0-4-24.1.0.255	
M-Bus Value channel 1, instance 1	4	0-1-24.2.1.255	
M-Bus Value channel 1, instance 2	4	0-1-24.2.2.255	
M-Bus Value channel 1, instance 3	4	0-1-24.2.3.255	
M-Bus Value channel 1, instance 4	4	0-1-24.2.4.255	
M-Bus Value channel 2, instance 1	4	0-2-24.2.1.255	
M-Bus Value channel 2, instance 2	4	0-2-24.2.2.255	
M-Bus Value channel 2, instance 3	4	0-2-24.2.3.255	
M-Bus Value channel 2, instance 4	4	0-2-24.2.4.255	
M-Bus Value channel 3, instance 1	4	0-3-24.2.1.255	
M-Bus Value channel 3, instance 2	4	0-3-24.2.2.255	
M-Bus Value channel 3, instance 3	4	0-3-24.2.3.255	
M-Bus Value channel 3, instance 4	4	0-3-24.2.4.255	
M-Bus Value channel 4, instance 1	4	0-4-24.2.1.255	
M-Bus Value channel 4, instance 2	4	0-4-24.2.2.255	
M-Bus Value channel 4, instance 3	4	0-4-24.2.3.255	
M-Bus Value channel 4, instance 4	4	0-4-24.2.4.255	
M-Bus Device ID 1 channel 1	1	0-1-96.1.0.255	
M-Bus Device ID 1 channel 2	1	0-2-96.1.0.255	
M-Bus Device ID 1 channel 3	1	0-3-96.1.0.255	
M-Bus Device ID 1 channel 4	1	0-4-96.1.0.255	
M-Bus Device ID 2 channel 1	1	0-1-96.1.1.255	
M-Bus Device ID 2 channel 2	1	0-2-96.1.1.255	
M-Bus Device ID 2 channel 3	1	0-3-96.1.1.255	
M-Bus Device ID 2 channel 4	1	0-4-96.1.1.255	
Profile status for M-Bus Master Load profile 1	1	0-1-96.10.3.255	
Profile status for M-Bus Master Load profile 2	1	0-2-96.10.3.255	
Profile status for M-Bus Master Load profile 3	1	0-3-96.10.3.255	
Profile status for M-Bus Master Load profile 4	1	0-4-96.10.3.255	

Object name	IC class	OBIS Code	protected
M-Bus Master Load profile for channel 1	7	0-1-24.3.0.255	
M-Bus Master Load profile for channel 2	7	0-2-24.3.0.255	
M-Bus Master Load profile for channel 3	7	0-3-24.3.0.255	
M-Bus Master Load profile for channel 4	7	0-4-24.3.0.255	
M-Bus Master Disconnect control object 1	70	0-1-24.4.0.255	
M-Bus Master Disconnect control object 2	70	0-2-24.4.0.255	
M-Bus Master Disconnect control object 3	70	0-3-24.4.0.255	
M-Bus Master Disconnect control object 4	70	0-4-24.4.0.255	
M-Bus Disconnect control scheduler	22	0-1-15.0.1.255	
M-Bus Disconnect script table	9	0-1-10.0.106.255	
Event Objects -M-Bus Master Control logs 1	1	0-1-96.11.4.255	
Event Objects -M-Bus Master Control logs 2	1	0-2-96.11.4.255	
Event Objects -M-Bus Master Control logs 3	1	0-3-96.11.4.255	
Event Objects -M-Bus Master Control logs 4	1	0-4-96.11.4.255	
M-Bus Master Control log object 1	7	0-1-24.5.0.255	
M-Bus Master Control log object 2	7	0-2-24.5.0.255	
M-Bus Master Control log object 3	7	0-3-24.5.0.255	
M-Bus Master Control log object 4	7	0-4-24.5.0.255	
M-Bus Event Log	7	0-0-99.98.3.255	
19 Local communication - IEC/HDLc Optical port			
IEC HDLC setup -HDLc Optical port	23	0-0-22.0.0.255	
IEC Optical Local port setup	19	0-0-20.0.0.255	
IEC RS-485 Local port setup	19	0-2-20.0.0.255	
IEC HDLC setup -Consumer Information Interface	23	0-1-22.0.0.255	
IEC HDLC setup -HDLc electrical port (RS485)	23	0-2-22.0.0.255	
20 Other Objects			
Active Quadrant	1	1-0-94.98.10.255	
Active Quadrant L1	1	1-0-94.98.11.255	
Active Quadrant L2	1	1-0-94.98.12.255	
Active Quadrant L3	1	1-0-94.98.13.255	
Phase Presence	1	1-0-94.98.14.255	
Unbalance Load Detection	1	0-0-94.98.15.255	
Transformer ratio - current (numerator)	1	1-0-0.4.2.255	X
Transformer ratio - voltage (numerator)	1	1-0-0.4.3.255	X
Transformer ratio - current (denominator)	1	1-0-0.4.5.255	X
Transformer ratio - voltage (denominator)	1	1-0-0.4.6.255	X
Nominal Voltage	3	1-0-0.6.0.255	X
Pulse constant - Outputs	1	1-0-0.3.3.255	X
Pulse length - Outputs	1	1-0-0.9.6.255	X
Demand reset lockout time	3	1-0-0.9.12.255	
General Display readout List-Auto Scroll	7	0-0-21.0.1.255	
General Display readout List-Auto Scroll Protected	7	0-0-21.0.21.255	X
Alternative Display readout List-Manual Scroll	7	0-0-21.0.22.255	
Alternative Display readout List-Manual Scroll Protected	7	0-0-21.0.22.255	X
Service Display readout List-Manual Scroll	7	0-0-21.0.3.255	
21 Abstract objects - TCP/IP profile setup			
TCP-UDP setup	41	0-0-25.0.0.255	
IPv4 setup	42	0-0-25.1.0.255	
IPv6 setup	48	0-0-25.7.0.255	
PPP setup	44	0-0-25.3.0.255	



	Object name	IC class	OBIS Code	protected
22	Abstract objects - Push setup			
	Push Setup Interval-01	40	0-1:25:9.0.255	
	Push Setup Interval-02	40	0-2:25:9.0.255	
	Push setup - Interval_03	40	0-3:25:9.0.255	
	Push setup -On Alarm	40	0-4:25:9.0.255	
	Push setup -On Connectivity	40	0-0:25:9.0.255	
	Push setup -On Installation	40	0-7:25:9.0.255	
	Push script table	9	0-0:10:0.108.255	
	Push action scheduler - Interval_01	22	0-1:15:0.4.255	
	Push action scheduler - Interval_02	22	0-2:15:0.4.255	
	Push action scheduler - Interval_03	22	0-3:15:0.4.255	
23	Remote communication - Abstract Objects for Network Mgmt			
	Auto connect	29	0-0:2.1.0.255	
	MAC address setup	43	0-0:25:2.0.255	
24	Remote communication - GSM/GPRS Setup Objects			
	GPRS modem setup	45	0-0:25:4.0.255	
	Modem Configuration	27	0-0:2.0.0.255	
	Auto Answer	28	0-0:2.2.0.255	
	GPRS Keep Alive Time Interval	1	0-0:94.98:19.255	
	Local Authentication protection	1	0-0:94.98:20.255	
	Disable/Enable Manual Demand Reset	1	0-0:94.98:27.255	
	International Mobile Station Equipment Identity (IMEI)	1	0-0:94.98:22.255	
	Profile compression type	1	0-0:94.98:21.255	
	Fraud Lock Time	1	0-0:94.98:24.255	



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