



MCON | MCON 1.2mm

TE Internal #: 1-1718646-1

12 V / 24 V / 48 V, 6 Position, Automotive Housing for Female

Terminals, Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, Black,

MCON 1.2mm

[View on TE.com >](#)

Automotive Parts > Automotive Connectors > Automotive Housings



Nominal Voltage Architecture: 12 V, 24 V, 48 V

Connector & Housing Type: Housing for Female Terminals

Number of Positions: 6

Sealable: Yes

Operating Temperature Range: -40 – 130 °C [-40 – 266 °F]

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	On the Terminal
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features



Cable Exit Angle	180 °
Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	1.2mm
Contact Type	Receptacle
Mating Tab Width	1.2 mm[.047 in]
Contact Current Rating (Max)	15 A

Mechanical Attachment

Terminal Position Assurance	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Product Width	26.5 mm[1.043 in]
Product Length	32.7 mm[1.287 in]
Connector Height	16.5 mm[.65 in]

Usage Conditions

Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]
Operating Temperature (Max)	130 °C[266 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP6K9K
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Packaging Features

Packaging Method	Box
Packaging Quantity	1500

Other

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Serviceable	Yes
Connector Position Assurance Capable	Yes

Product Compliance

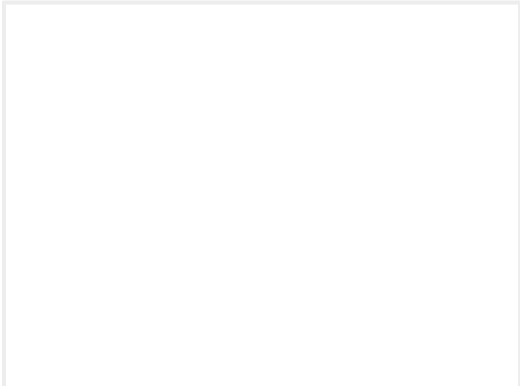
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 2295776-1
6POS,MCON1.2CB, RETAINER



TE Part # 1-2141324-1
6POS, MCON 1.2 LL TAB SEALED COD A



TE Part # 1801606-4
TAB HOUSING, MCON, 10 W, SEALED



TE Part # 2141970-1
MCON 1.2 LL REC SWS SN





TE Part # 1801606-3
TAB HOUSING, MCON, 10 W, SEALED



TE Part # 1-2141324-5
6POS, MCON 1.2 LL TAB SEALED COD A

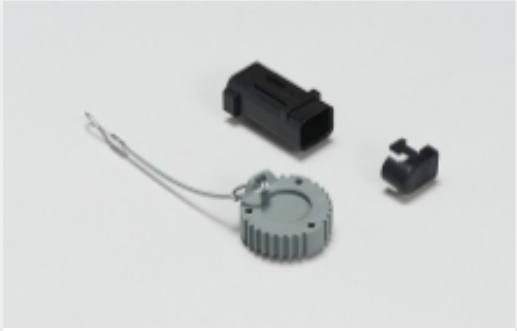


TE Part # CAT-N13-MSLRTT12
MCON 1.2 Locking Lance Receptacle and Tab Terminals



TE Part # CAT-N13-MSLLT12
MCON 1.2 48V Locking Lance Receptacle and Tab Terminals

Also in the Series | MCON 1.2mm



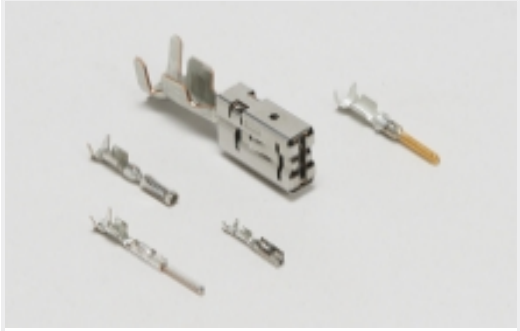
Automotive Connector Caps & Covers (15)



Automotive Housings(353)



Automotive Signal & Power Connector Housings(349)



Automotive Terminals(90)

Customers Also Bought



TE Part #1-1719393-1
8POS, MCON 1.2 LL REC SEALED



TE Part #2209387-2
BYD 6DT35 CABLE ASSY



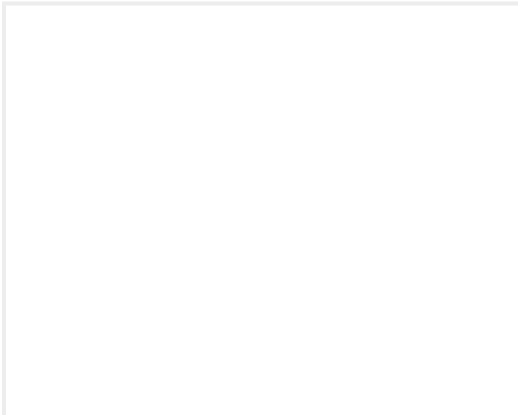
TE Part #3-2315661-2
3POS. RING TONGUE HSG,ASSY S



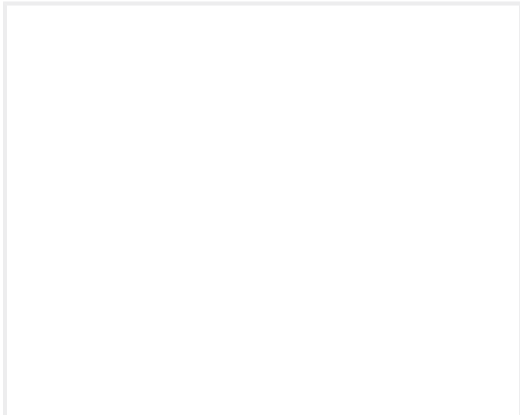
TE Part #1-2361027-1
PLUG ASSY, KEY A, CPA, HVA280-2PHI, HB



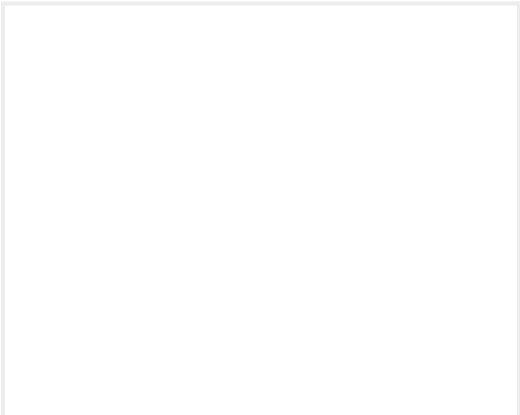
TE Part #1-2361027-4
PLUG ASSY, KEY D, CPA, HVA280-2PHI, HB



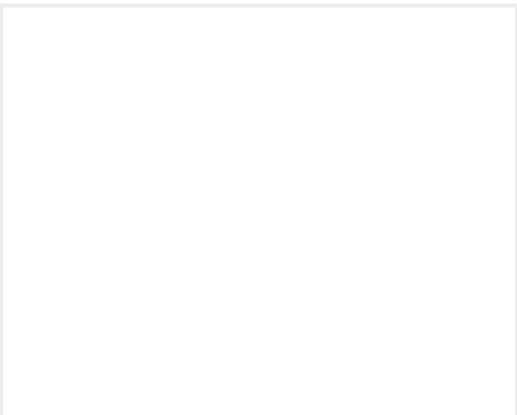
TE Part #2497871-1
PDU ASSY,PLUG HOUSING ASSEMBLY



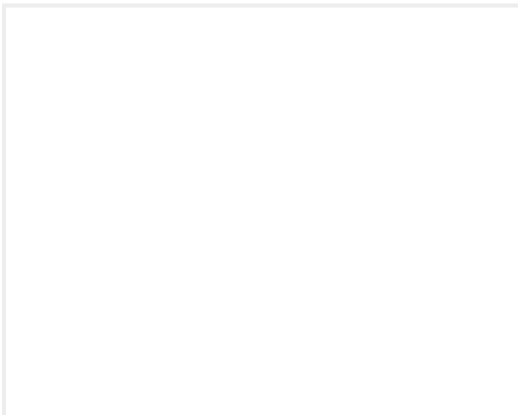
TE Part #2497881-1
PDU ASSY,AL BAR COVER SEAL



TE Part #2497886-1
PDU ASSY,COPPER RING



TE Part #2497888-1
PDU ASSY,AL BAR COVER



TE Part #2497892-1
PDU ASSY,TPA



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1718646-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1718646-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1718646-1_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English