1670144-1 ✔ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 1670144-1

Receptacle Terminal, 20 – 18 AWG, .5 – .75 mm² Wire, 1.2 mm [.047 in] Tab Width, Tin (Sn), .6 mm [.024 in] Tab Thickness, Unsealed, MCON 1.2mm

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Automotive Parts > Automotive Terminals > MCON Receptacle and Tab



Terminal Type: **Receptacle**

Wire Size: **20 – 18 AWG**

Mating Tab Width: **1.2 mm [.047 in]**

Interface Plating: **Tin (Sn)**

All MCON Receptacle and Tab (63)

Features

Product Type Features

Receptacle Style	180°
Primary Locking Feature	Clean Body
Sealable	No

Body Features

Terminal Seal Type	Unsealed

Contact Features

Typical Current Rating	11.75 A
Crimp Type	F-Crimp
Contact Size	1.2mm
Contact Fabrication	Stamped & Formed
Wire Contact Termination Area Plating Material	Tin
Terminal Type	Receptacle
Mating Tab Width	1.2 mm[.047 in]
Interface Plating	Tin (Sn)
Mating Tab Thickness	.6 mm[.024 in]

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Compatible Insulation Diameter Range	1.4 – 1.9 mm[.055 – .075 in]
Wire Size	20 – 18 AWG
Wire Size Search	.5 mm², .6 mm², .75 mm²
Tab Length	16 mm[.63 in]

Usage Conditions

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

Operation/Application

Compatible With Wire Base Material	Copper
Conforms to Automation Guideline	Yes, DIN 72036 Automation of Wiring Harness Production, Version June 2024, Yes, KOMAX Guideline for automatic component insertion for electrical connections, Version 5.0 (March 2018)

Industry Standards

Compatible With Agency/Standards Products	LV214

Packaging Features

Packaging Method	Reel
Packaging Quantity	9000

Other

Terminal Transmits	0 – 24 A (Low Power)

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 # 1-1564285-5
58POS, MIXED,REC HSG,ASSY



TE Part # 9-1563173-4
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 7-1563172-7
58POS, MIXED,REC HSG,ASSY



TE Part # 8-1564285-4
58POS, MIXED,REC HSG,ASSY



TE Part # 9-1563173-6
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 2-1564284-3
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 9-1563173-5
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 5-1564285-1
58POS, MIXED,REC HSG,ASSY



TE Part # 4-1563173-8
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 6-1564284-2
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 2-1564284-4
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 8-1564285-3
58POS, MIXED,REC HSG,ASSY

TE Part # 2-1563173-1
96POS,MCON-1.2 CB,REC HSG,ASSY

TE Part # 6-1564284-3
96POS,MCON-1.2 CB,REC HSG,ASSY

TE Part # 4-1564284-7
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part # 1-1579007-0
EXTRACTION TOOL



TE Part # 1-2208720-1
105POS,MCON 1.2 CB,REC HSG, ASSY,SLD



TE Part # 3-1579028-2
EXTRACTION TOOL

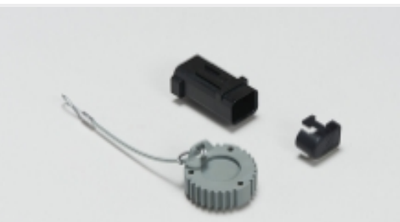


TE Part # 2368740-1
SDE F MCON 1.2 18-20 ASSY



TE Part # 2359941-1
96POS,MCON-1.2 CB,REC HSG,ASSY

Also in the Series | MCON 1.2mm



Automotive Connector Caps & Covers (15)



Automotive Signal & Power Connector Housings(349)

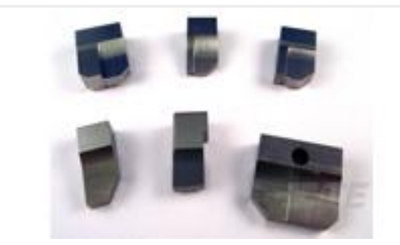


Automotive Terminals(90)



Other Automotive Connector Accessories(12)

Customers Also Bought



TE Part #7-1333201-1
ANVIL, COMBINATION .055



TE Part #1452408-2
SECONDARY LOCK FOR 58 POS CONN



TE Part #1452409-2
SECONDARY LOCK FOR 58 POS CONN



TE Part #CAT-M4595-T273
MCON Receptacle and Tab



TE Part #9-1563172-9
58POS, MIXED,REC HSG,ASSY



TE Part #1564880-1
GET 0.64,FEMALE TERMINAL 0.13M



TE Part #2292906-1
2POS,MCON 1.2,REC HSG ASSY,SLD, COD A



TE Part #CD70563001
CL105-0111-1.00-9

TE Part #1-2119757-1
DEPRESSOR, SHEAR

Documents

Product Drawings

MCON 1.2 CB REC SRC SN

English

MCON 1.2 CB REC SRC SN

German

CAD Files

Customer View Model

ENG_CVM_1670144-1_F2.3d_igs.zip

English

Customer View Model

ENG_CVM_1670144-1_F2.3d_stp.zip

English

Customer View Model

ENG_CVM_1670144-1_F2.2d_dxf.zip

English

3D PDF

English

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Product Specifications

Application Specification

German

Application Specification

English

Application Specification

English