

2177909-1 ✓ ACTIVE

MCON | MCON 0.50mm

TE Internal #: 2177909-1

Receptacle Terminal, 24 – 22 AWG, .22 – .35 mm² Wire, .5 mm [.019 in] Tab Width, Tin (Sn), .4 mm [.015 in] Tab Thickness, Unsealed, MCON 0.50mm

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Automotive Parts > Automotive Terminals > MCON 0.50 Terminals



Terminal Type: **Receptacle**

Wire Size: **24 – 22 AWG**

Mating Tab Width: **.5 mm [.019 in]**

Interface Plating: **Tin (Sn)**

[All MCON 0.50 Terminals \(4\)](#)

Features

Product Type Features

Receptacle Style	180°
Primary Locking Feature	Clean Body
Sealable	No

Body Features

Terminal Seal Type	Unsealed
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Contact Features

Typical Current Rating	3 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	.5 mm [.019 in]



Interface Plating	Tin (Sn)
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Mating Tab Thickness	.4 mm [.015 in]
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Termination Features

Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire
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Dimensions

Compatible Insulation Diameter Range	.95 – 1.3 mm [.037 – .051 in]
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Wire Size	24 – 22 AWG
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Wire Size Search	.2 mm ² , .25 mm ² , .35 mm ²
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Tab Length	15.23 mm [.6 in]
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Usage Conditions

Insulation Option	Uninsulated
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Operating Temperature (Max)	105 °C [221 °F]
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Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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Operation/Application

Compatible With Wire Base Material	Copper
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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)
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Industry Standards

Compatible With Agency/Standards Products	LV214
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Packaging Features

Packaging Method	Reel
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Packaging Quantity	17000
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Other

Customer Preferred Contact	No
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Terminal Transmits	0 – 24 A (Low Power)
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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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 reviewed 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



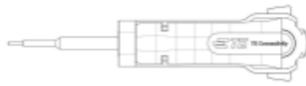
TE Part # 2380841-2
SDE F MCON 050 0.22-0.35mm2 DIE SET



TE Part # 2836545-2
OCEAN_2.0_APPLICATOR-S-042F050O-RSA



TE Part # 2151523-2
OCEAN_2.0_APPLICATOR-S-042F042O-RSA



TE Part # 2-1579028-6
EXTRACTION TOOL



KIT
REPRESENTATION ONLY

TE Part # 7-2266278-7
OC-042F050O-CRIMPTOOLINGKIT



KIT
REPRESENTATION ONLY

TE Part # 7-2836544-7
OCEAN_2.0_SPARE_PART_KIT-042F042O



KIT
REPRESENTATION ONLY

TE Part # 7-2151524-7
OCEAN_2.0_SPARE_PART_KIT-042F050O



TE Part # 2266703-2
OCEAN_2.0_APPLICATOR-S-042F050O-RSA




TE Part # 1801823-3
4POS,MCON 0.5 CB,REC HSG,BLUE, ASSY,SLD



TE Part # 2-1579028-8
EXTRACTION TOOL



TE Part # 2380840-2
SDE F MCON 050 0.13-0.22mm2 DIE SET



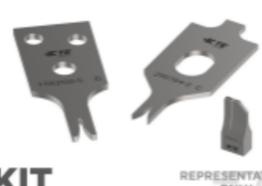
TE Part # 2380841-1
SDE F MCON 050 0.22-0.35mm2 ASSY SET



TE Part # 2151524-2
OCEAN_2.0_APPLICATOR-S-042F050O-RSA



TE Part # 8-1579007-9
EXTRACTION TOOL



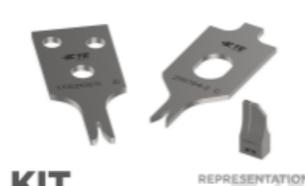
TE Part # 7-2836545-7
OCEAN_2.0_SPARE_PART_KIT-042F050O



TE Part # 2380840-1
SDE F MCON 050 0.13-0.22mm2 ASSY



TE Part # 2836544-2
OCEAN_2.0_APPLICATOR-S-042F042O-RSA



TE Part # 7-2151523-7
OCEAN_2.0_SPARE_PART_KIT-042F042O



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp

Also in the Series | **MCON 0.50mm**



Automotive Housings(12)



Automotive Seals & Cavity Plugs(1)



Automotive Signal & Power Connector Housings(12)

Customers Also Bought



TE Part #YD369-P66-NP300000
369 6 WAY PLUG, 20/22 CONTACTS, PIN



TE Part #567772002
RNF-3000-3/1-6-STK



TE Part #3-1393561-5
V42254A6107L 1=SUB D KONTAKTH



TE Part #1-1622825-4
RL73K 3A R18 5% 1K Reel



Documents

Product Drawings

MCON 0.50 TERMINAL

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2177909-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2177909-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2177909-1_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Agency Approvals

CSA Certificate

English