

1-2282337-5 ✓ ACTIVE

MCON | MCON 1.2mm

TE Internal #: 1-2282337-5

12 V / 24 V / 48 V, 10 Position, Automotive Receptacle, Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, Black, Wire & Cable, Power, MCON 1.2mm

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings > 48V Ready 1.2mm Sealed Connectors



Connector & Housing Type: **Receptacle**

Number of Positions: **10**

Sealable: **Yes**

Operating Temperature Range: **-40 – 150 °C [-40 – 302 °F]**

Number of Rows: **2**

[All 48V Ready 1.2mm Sealed Connectors \(182\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	10
Number of Rows	2

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

Strain Relief	Without
Terminal Position Assurance	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Row-to-Row Spacing	4 mm[.157 in]
Product Width	29 mm[1.14 in]
Product Length	31.8 mm[1.25 in]
Connector Height	23.05 mm[.907 in]

Usage Conditions

Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]
Operating Temperature (Max)	150 °C[302 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IPX9K
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Compatible With Agency/Standards Products	LV214
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Packaging Features

Packaging Method	Carton
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Other

Serviceable	Yes
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Connector Position Assurance Capable	Yes
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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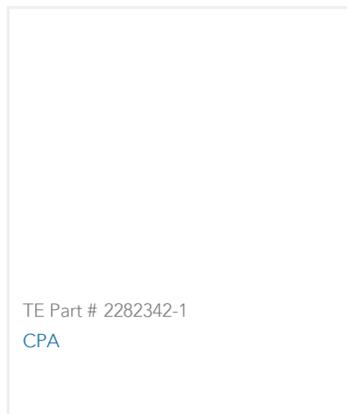
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not reviewed for solder process capability
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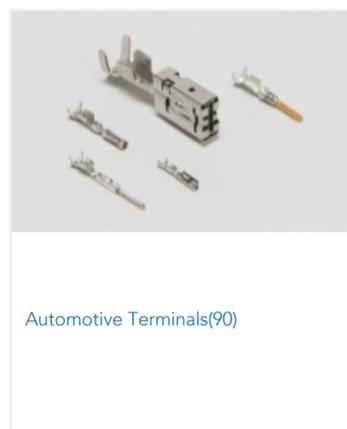
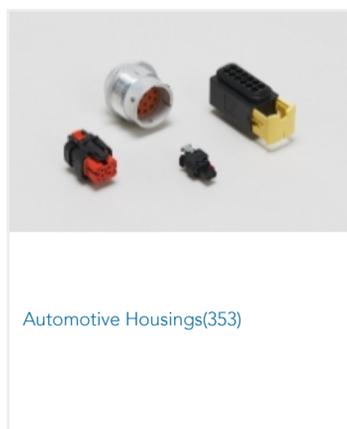
Product Compliance Disclaimer

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



Also in the Series | **MCON 1.2mm**



Customers Also Bought





TE Part #2333692-1
[SCREW,3.5 SELF THREAD CUTTING](#)

TE Part #2387544-1
[0.64 SERIES,TERMINAL,REM 0.64 CB SWS](#)

TE Part #2434768-1
[AMP MCP 6.3/4.8K,TERMINAL,SWS](#)

TE Part #2435187-3
[JPT,TERMINAL,REC 2.8 SRC SN](#)

TE Part #5-2435196-1
[MQS,TERMINAL,064 LL](#)

TE Part #2465922-1
[DIA 6MM,PIN TERMINAL,CCS2 PIN](#)

Documents

Product Drawings

[10POS, MCON 1.2 LL REC SEALED 2ROW](#)

English

[10POS, MCON 1.2 LL REC SEALED 2ROW](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2282337-5_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2282337-5_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2282337-5_B.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English