

1801600-1 ✓ ACTIVE

MCON | MCON Interconnection System

TE Internal #: 1801600-1

12 V, 10 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 4.5 mm [.177 in] Centerline, Sealable, Black, MCON Interconnection System

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings



Nominal Voltage Architecture: 12 V

Connector & Housing Type: **Housing for Female Terminals**

Number of Positions: 10

Sealable: **Yes**

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

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing, Locking Lance
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	16 VDC
Nominal Voltage Architecture	12 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)	6 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	PBT GF
Centerline (Pitch)	4.5 mm[.177 in]

Dimensions

Row-to-Row Spacing	4.5 mm[.177 in]
Product Width	26.65 mm[1.049 in]
Product Length	32.6 mm[1.283 in]
Connector Height	23.5 mm[.925 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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Packaging Features

Packaging Quantity	600
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Packaging Method Box

Other

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 BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

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 # 8-1579018-6
INSERTION TOOL



TE Part # 963142-3
MQS SINGLE-WIRE SEAL FOR 4MM



TE Part # 1801610-1
BULK HEAD, MCON, 10W, CLIPPED



TE Part # CAT-N13-MSLRRT12
MCON 1.2 Locking Lance Receptacle and Tab Terminals



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



TE Part # 1801606-1
TAB HOUSING, MCON, 10 W, SEALED



TE Part # 8-1579018-4
EXTRACTION TOOL

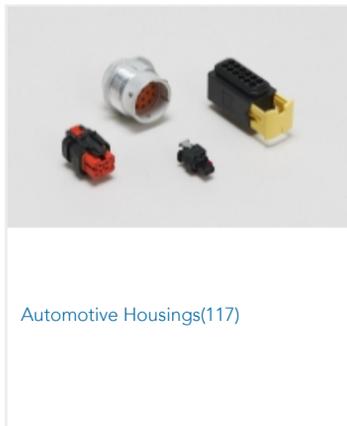


TE Part # 963143-1
MQS BLINDSTOPFEN

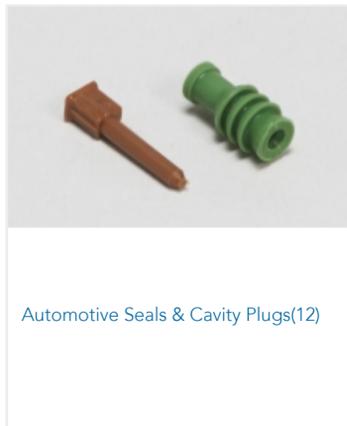
Also in the Series | MCON Interconnection System



Automotive Connector Locks & Position Assurance(16)



Automotive Housings(117)



Automotive Seals & Cavity Plugs(12)



Automotive Signal & Power Connector Housings(116)



Other Automotive Connector Accessories(1)

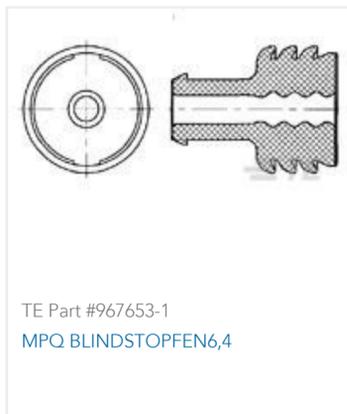
Customers Also Bought



TE Part #6776556002
RPPM-NR510-X-35MM



TE Part #967610-1
MPQ EINZELLEITDICHT



TE Part #967653-1
MPQ BLINDSTOPFEN6,4



TE Part #1801175-3
2W RECEPTACLE HP CONNECTOR GREY



TE Part #1801175-6
2W RECEPTACLE HP CONNECTOR BROWN



TE Part #1-1801175-3
2W RECEPTACLE HP CONNECTOR GREY



TE Part #1-1801175-5
2W RECEPTACLE HP CONNECTOR GREEN



TE Part #1801177-4
3W TAB CONNECTOR HP YELLOW



TE Part #1-1801466-1
COVER, FIXED, 2 WAY HP
CONNECTOR



TE Part #185879-4
26W MQS COVER ASSY GREEN

Documents

Product Drawings

[RECEPTACLE HOUSING, MCON, 10 W, SEALED](#)

English

[RECEPTACLE HOUSING, MCON, 10 W, SEALED](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1801600-1_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1801600-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1801600-1_B.3d_igs.zip](#)

English

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Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English