

284848-1 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP 2.8, AMP MCP 1.5K

TE Internal #: 284848-1

Housing for Female Terminals, Wire-to-Wire, 12 Position, 5 mm [.197 in] Centerline, Sealable, Black, Wire & Cable, Power, Hybrid

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > AMP MCP, SEALED CONNECTOR HOUSING



Connector System: **Wire-to-Wire**

Number of Positions: **12**

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

Centerline (Pitch): **5 mm [.197 in]**

Sealable: **Yes**

[All AMP MCP, SEALED CONNECTOR HOUSING \(130\)](#)

Features

Product Type Features

Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing
Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular

Configuration Features

Number of Positions	12
Number of Rows	2

Housing Features

Centerline (Pitch)	5 mm [.197 in]
Housing Material	PA GF



Contact Features

Mating Tab Width	1.6 mm, 2.8 mm [.063 in] [.11 in]
Contact Current Rating (Max)	11 A, 20 A
Contact Size	2.8mm, 1.5mm
Contact Type	Receptacle

Body Features

Primary Product Color	Black
Cable Exit Angle	180°

Operation/Application

Circuit Application	Power
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Polarizing Slot
Mating Alignment	With

Usage Conditions

Operating Temperature (Max)	125 °C [257 °F]
Operating Temperature Range	-25 – 125 °C [-13 – 257 °F]

Electrical Characteristics

Nominal Voltage Architecture	24 V
Operating Voltage	24 VDC

Other

Connector Position Assurance Capable	Yes
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Serviceable	No

Dimensions

Row-to-Row Spacing	6 mm [.23 in]
Product Width	32.6 mm [1.28 in]
Product Length	45.8 mm [1.8 in]
Connector Height	24.6 mm [.96 in]



Packaging Features

Packaging Quantity	500
Packaging Method	Box

Product Compliance

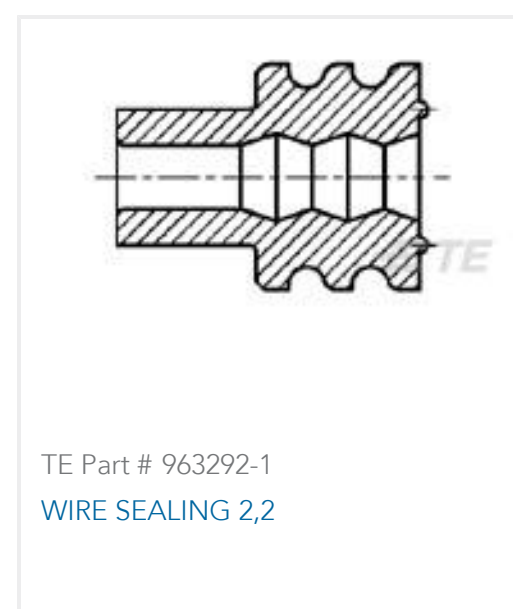
[For compliance documentation, visit the product page on TE.com>](#)

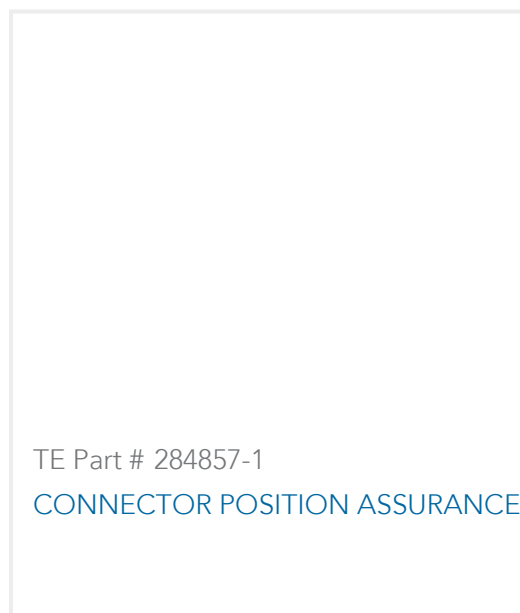
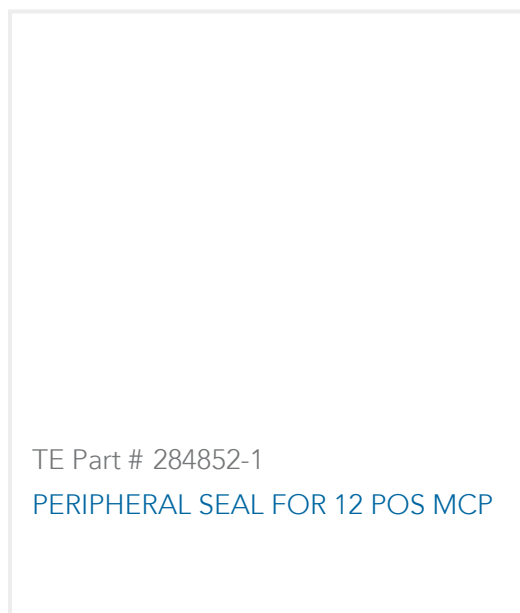
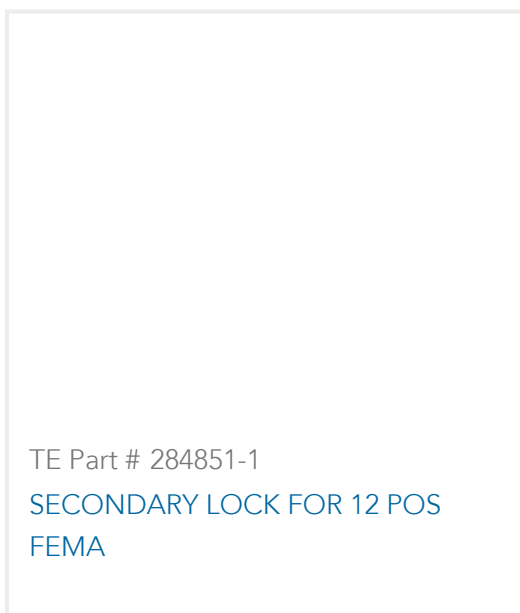
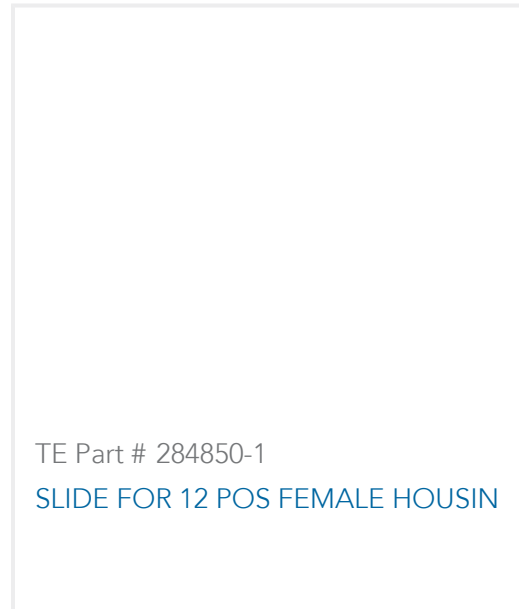
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

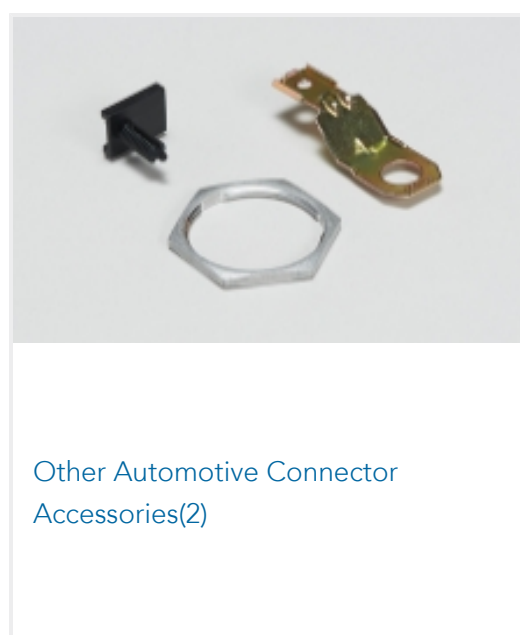
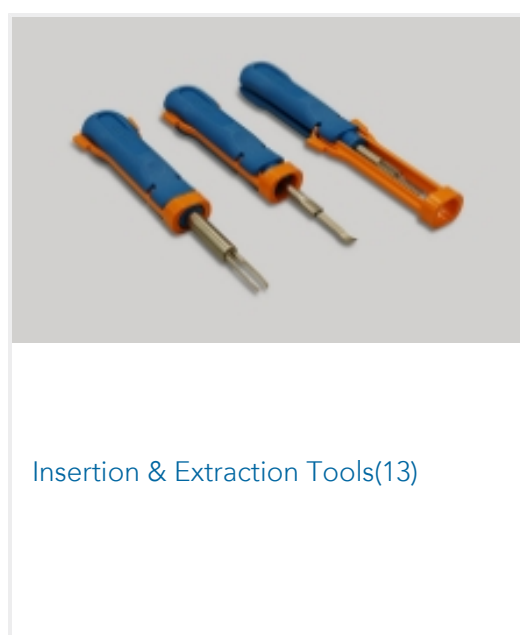
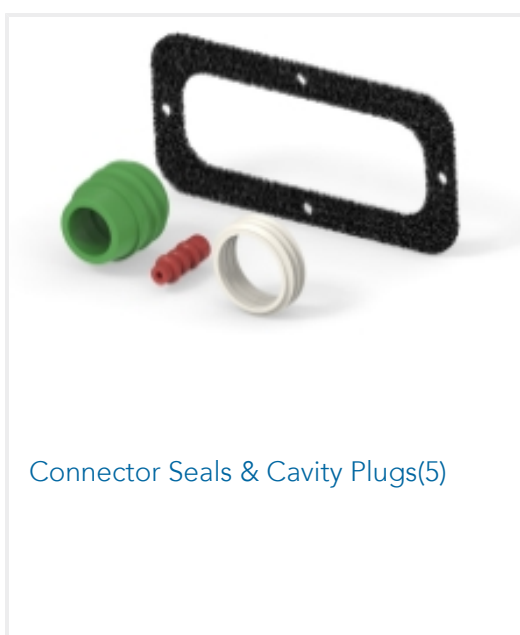
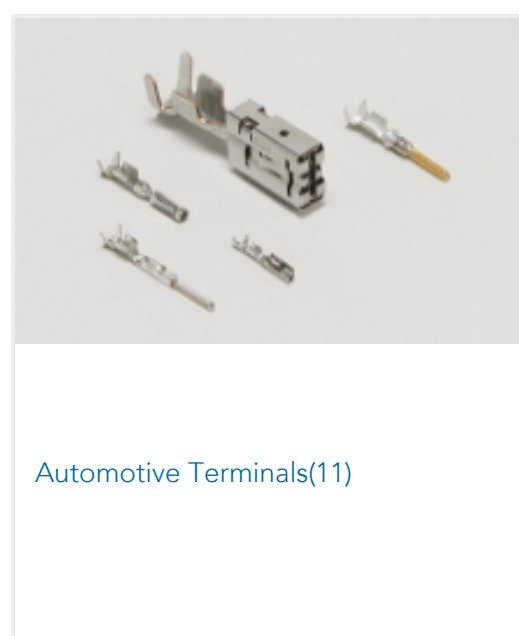
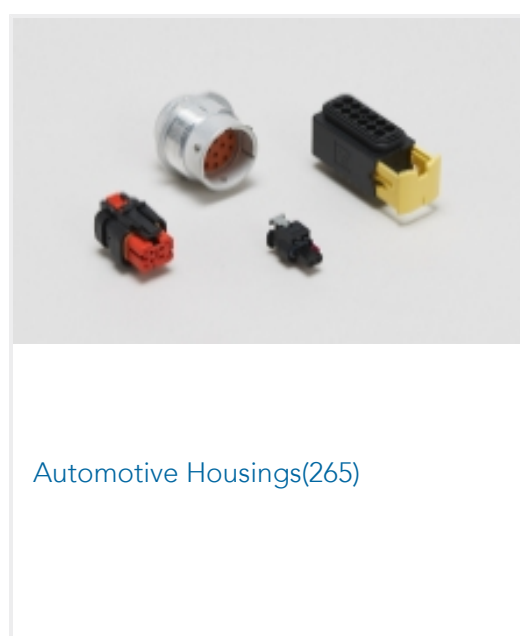
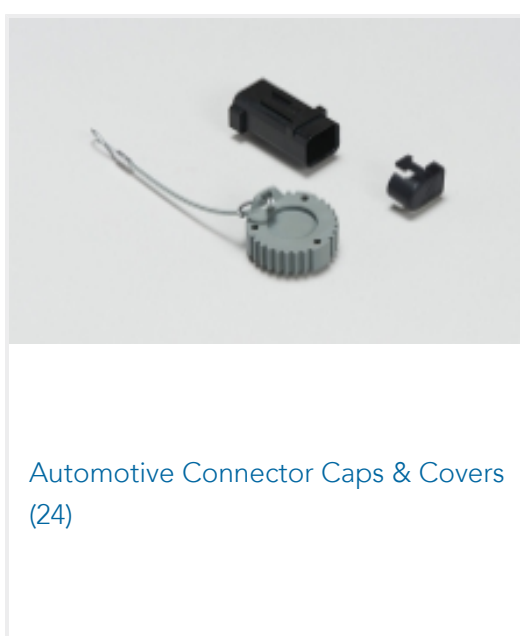
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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





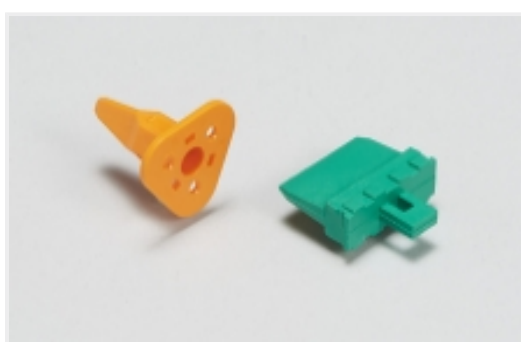
Also in the Series | **AMP MCP Connector System**



Also in the Series | **AMP MCP 2.8**



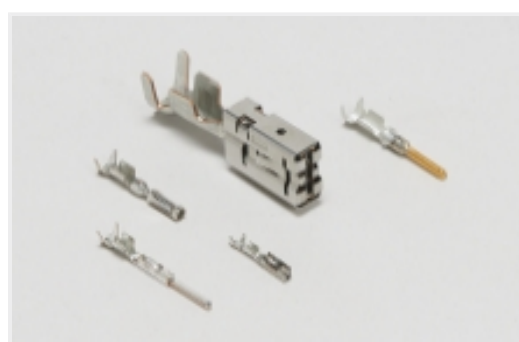
Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(5)



Automotive Housings(162)



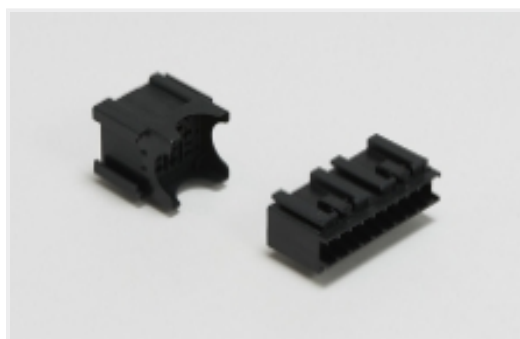
Automotive Terminals(53)



Connector Seals & Cavity Plugs(3)



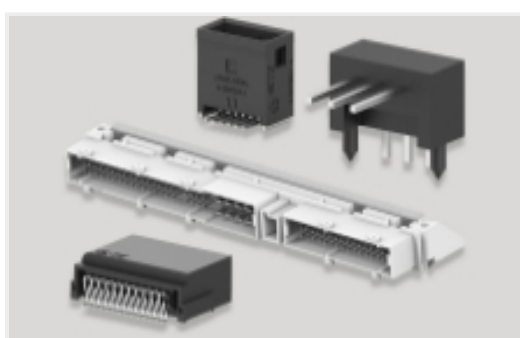
Insertion & Extraction Tools(6)



Module Components(1)



Other Automotive Connector Accessories(1)



PCB Headers & Receptacles(1)

Also in the Series | [AMP MCP 1.5K](#)



Automotive Connector Caps & Covers (3)



Automotive Housings(80)

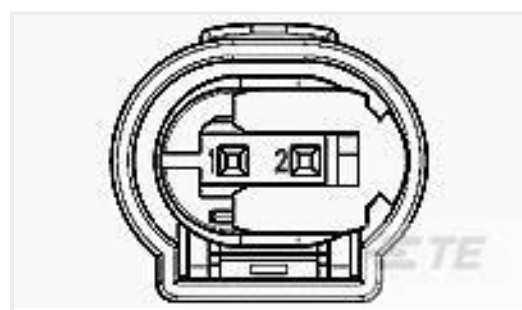


Automotive Terminals(22)

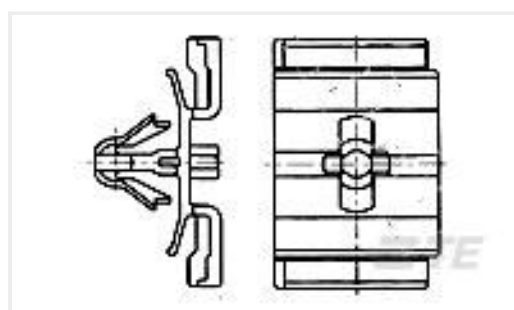


Insertion & Extraction Tools(1)

Customers Also Bought



TE Part #284703-1
2POS MQS REC SEALED COD A



TE Part #282322-1
HOOK FOR SEALED SEC.CONN.



TE Part #1745032-1
2 POS. MCP2.8 CONNECTOR FOR
IGNITION KEY



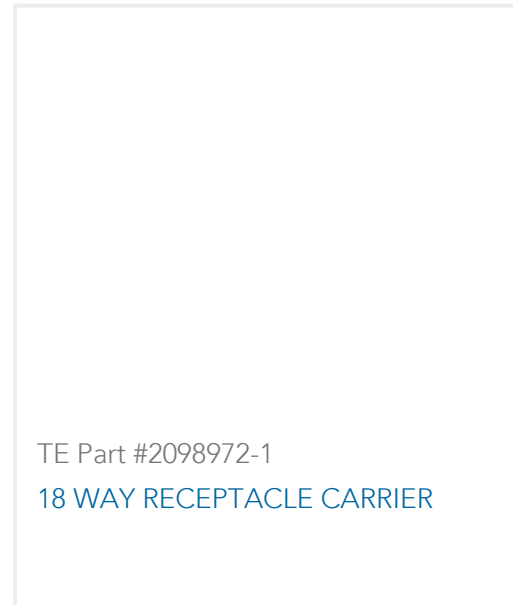
TE Part #2098963-1
30 WAY SHIELD ASSEMBLY, KEY AD



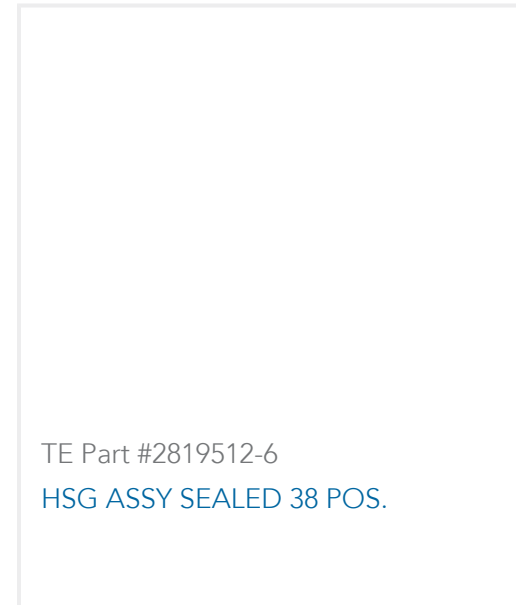
TE Part #2236047-2
32POS,MIXED,RECEPTACLE
CONNECTOR,COD B



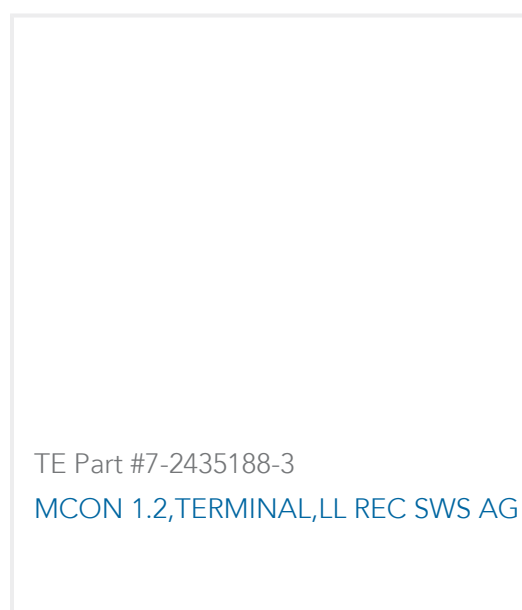
TE Part #2236048-1
KIT SEC.LOCK FOR 32 WAYS CONN.



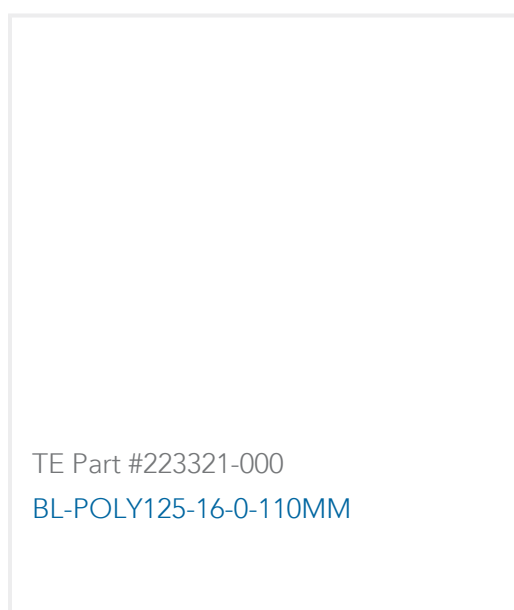
TE Part #2098972-1
18 WAY RECEPTACLE CARRIER



TE Part #2819512-6
HSG ASSY SEALED 38 POS.



TE Part #7-2435188-3
MCON 1.2,TERMINAL,LL REC SWS AG



TE Part #223321-000
BL-POLY125-16-0-110MM

Documents

Product Drawings

12 POS MCP HYBRID FEMALE CONN

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_284848-1_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_284848-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_284848-1_D.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

Instruction Sheets

Instruction Sheet (non U.S.)

English