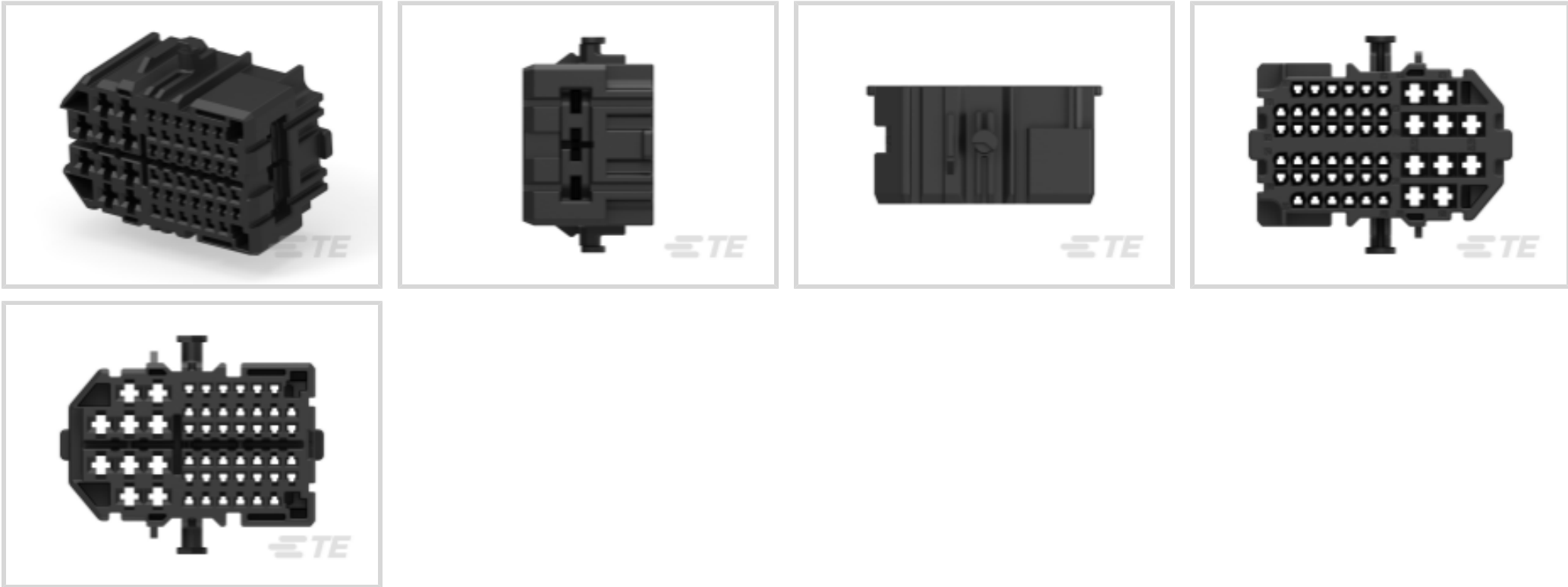




Automotive Parts > Automotive Connectors > Automotive Housings



Nominal Voltage Architecture: 12 V

Connector & Housing Type: Housing for Female Terminals

Number of Positions: 50

Sealable: No

Operating Temperature Range: -40 – 170 °C, -40 – 140 °C [-40 – 338 °F, -40 – 284 °F]

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Primary Locking Feature	Locking Lance, On the Terminal
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	50
Number of Rows	6

Electrical Characteristics

Nominal Voltage Architecture	12 V
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Body Features

Primary Product Color	Black
Connector & Keying Code	A



Contact Features

Contact Size	1.2mm, 2.8K
Contact Type	Receptacle
Mating Tab Width	1.2 mm, 2.8 mm[.047 in][.11 in]
Contact Current Rating (Max)	25 A, 34 A

Mechanical Attachment

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

Housing Features

Housing Material	Nylon 6/6 GF35
Centerline (Pitch)	3 mm, 5 mm[.118 in][.197 in]

Dimensions

Row-to-Row Spacing	2.5 mm, 4.5 mm, 7.1 mm[.098 in][.177 in][.279 in]
Product Width	23.25 mm[.915 in]
Product Length	46.35 mm[1.82 in]
Connector Height	38.3 mm[1.5 in]

Usage Conditions

Operating Temperature Range	-40 – 170 °C, -40 – 140 °C[-40 – 338 °F][-40 – 284 °F]
Operating Temperature (Max)	140 °C, 170 °C[284 °F][338 °F]

Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Quantity	1
Packaging Method	Package

Other

Connector Position Assurance Capable	No
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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 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



Also in the Series | MCON Interconnection System



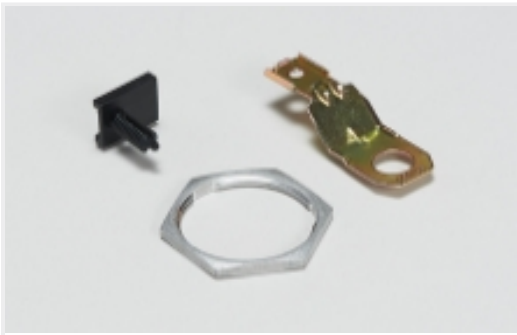
Automotive Connector Locks & Position Assurance(16)



Automotive Housings(117)



Automotive Seals & Cavity Plugs(12)



Other Automotive Connector Accessories(1)

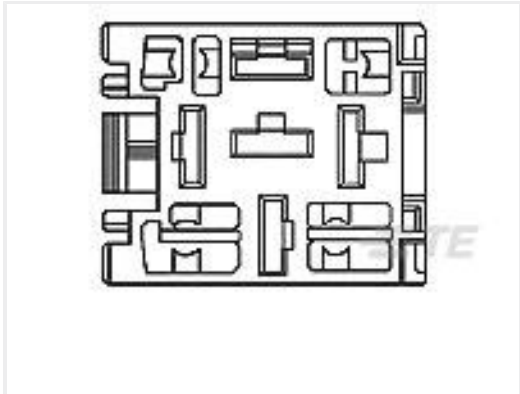
Customers Also Bought



TE Part #180451
FF 250 REC HSG 7P NYLON



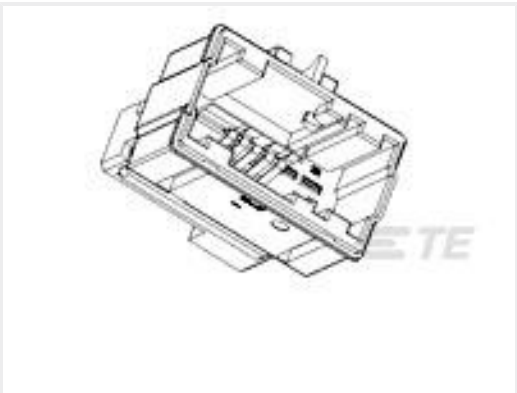
TE Part #280268-2
RING TONGUE 4-6MM2 0.0276X0.650 TPBR



TE Part #280289
MODULAR RELAY CONN.



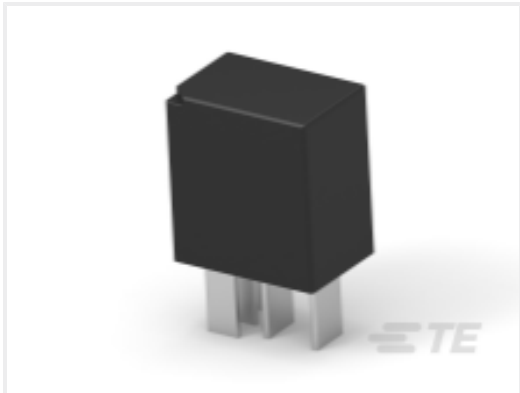
TE Part #344081-1
RECPT. HSG. ASSY. 2 WAY



TE Part #1-1379913-1
20POS MQS TAB



TE Part #1473247-2
MQS 81P LEVER(R) ASSY



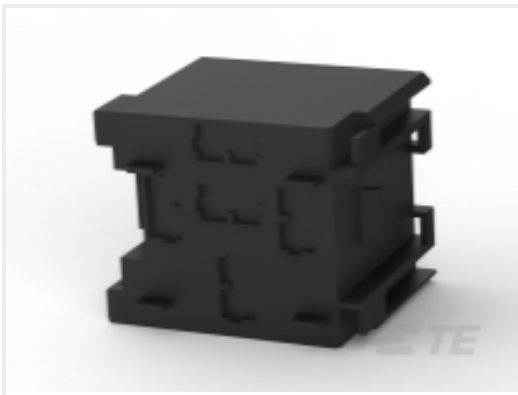
TE Part #2359392-1
V23074A1002A402-EV-CBOX



TE Part #344075-1
2 WAY TAB HSG.



TE Part #626500-1
FUSE CONTACT



TE Part #281856-2
POSITIVE LOCK HOUSING

Documents

Product Drawings

50P HYBRID UNSEALED RECEPT PLU

English

CAD Files

Customer View Model

ENG_CVM_CVM_2138420-1_B.2d_dxf.zip

English

3D PDF

2138420-1

12 V, 50 Position, Automotive Housing for Female Terminals, 3 mm / 5 mm [.118 in / .197 in] Centerline, Black, MCON Interconnection System



3D

Customer View Model

[ENG_CVM_CVM_2138420-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2138420-1_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.