



Connectors > Automotive Connectors > Connector Accessories > Connector Caps & Covers



Protection & Strain Relief Accessory Type: **Cover Assembly**

Cable Exit Angle: **90° (Right Angle)**

Strain Relief: **With**

Primary Product Color: **Black**

Primary Product Material: **PBT GF**

Features

Product Type Features

Protection & Strain Relief Accessory Type	Cover Assembly
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Configuration Features

Compatible With Connector Code	F
Number of Positions	48

Body Features

Cable Exit Angle	90° (Right Angle)
Primary Product Color	Black
Primary Product Material	PBT GF

Mechanical Attachment

Strain Relief	With
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Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
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	°F][230 °F][248 °F][257 °F][266 °F]
Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]

Packaging Features

Packaging Quantity	140
Packaging Method	Carton

Other

Serviceable	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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 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 # 1355333-3
48POS MIXED MQS REC

TE Part # CAT-HPCH5372
HIGH PIN COUNT HEADER

TE Part # 968822-3
SICHERUNGSPLATTE

Also in the Series | MQS

Automotive Connector Caps & Covers
(132)

Automotive Connector EMC Shielding
(2)

Automotive Connector Locks & Position Assurance(29)

Automotive Housings(489)

Automotive Seals & Cavity Plugs(26)

Automotive Terminals(96)

Insertion & Extraction Tools(42)

Other Automotive Connector Accessories(13)

PCB Headers & Receptacles(207)

Customers Also Bought

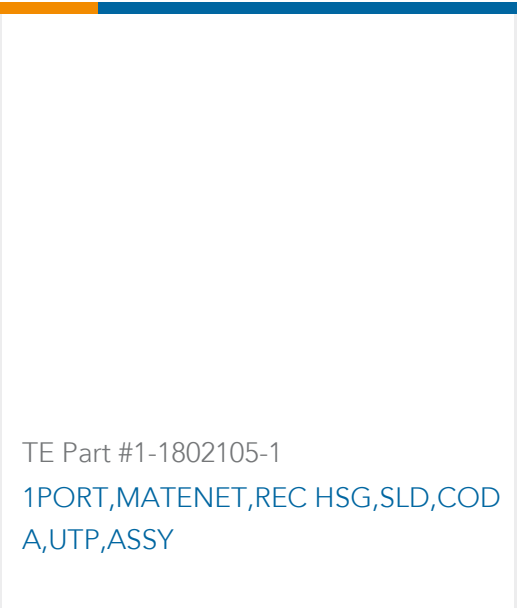
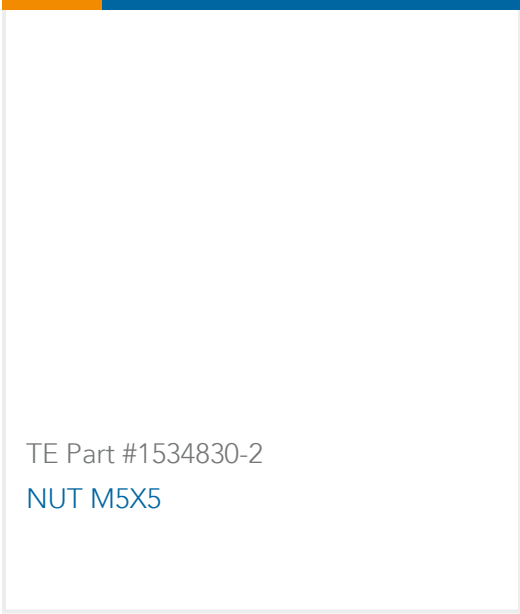
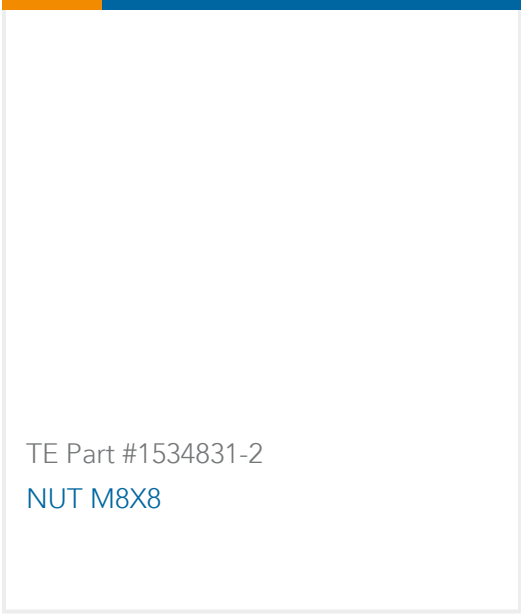
TE Part #1670815-2
RING TONGUE, IPT 70 - 120MM?

TE Part #2141616-1
SHIELDING, 5+2 POS HV CONN

TE Part #1-2141617-1
SHIELD CRIMP FERRULE

TE Part #2236905-1
NANO TAB 0.5X0.4,TERMINAL



 TE Part #2302451-1 MATENET, MALE INSERT MODUL	 TE Part #2302452-1 MATENET, FIXATION ELEMENT	 TE Part #NB11456001 ATUM-6/2-0-17MM	 TE Part #1-1802105-1 1PORT, MATENET, REC HSG, SLD, COD A, UTP, ASSY
 TE Part #1534830-2 NUT M5X5	 TE Part #1534831-2 NUT M8X8		

Documents

Product Drawings
MQS UMGEH 48P ASSY

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_7-967313-3_GN_c-7-967313-3-gn.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_7-967313-3_GN_c-7-967313-3-gn.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_7-967313-3_GN_c-7-967313-3-gn.3d_stp.zip

English

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Product Specifications
Product Specification

English