



Connectors > Connector Accessories > Connector Hardware



Primary Product Color: **Black**

Primary Product Material: **Polyethylene**

Operating Temperature (Max): **80 °C [176 °F]**

Operating Temperature Range: **-40 – 80 °C [-40 – 176 °F]**

Features

Body Features

Primary Product Color	Black
Primary Product Material	Polyethylene

Mechanical Attachment

Thread Size	M12
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Dimensions

Product Length	13.8 mm[.54 in]
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Usage Conditions

Operating Temperature (Max)	80 °C[176 °F]
Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]

Packaging Features

Packaging Method	Bulk
Packaging Quantity	100

Product Compliance

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

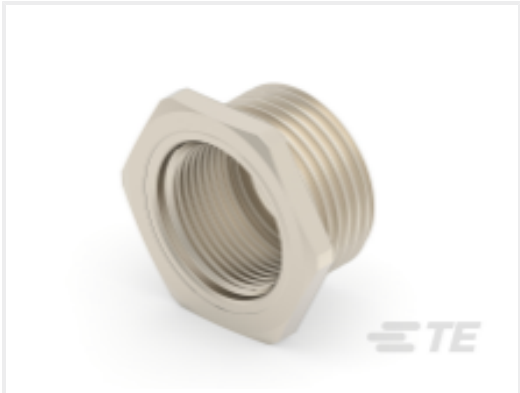


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: FEB 2026 (253) Candidate List Declared Against: JUNE 2025 (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 reviewed for solder process capability

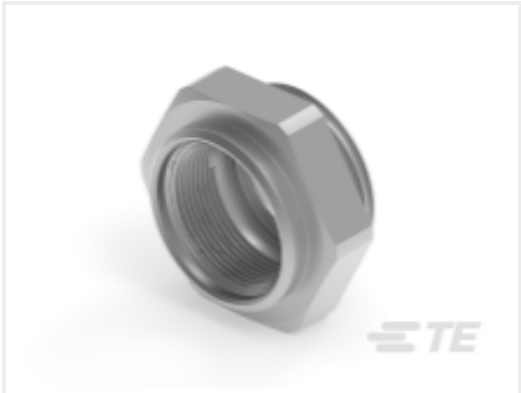
Product Compliance Disclaimer

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

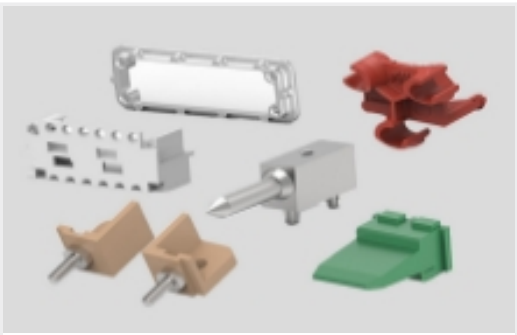


TE Part # 394847-E
M12 METAL SHELL, FEMALE, VERT,
13MM, C6A



TE Part # 394828-E
M12 METAL SHELL, FEMALE, VERT,
9MM, C6A

Also in the Series | [M12 Connector](#)



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



Standard Circular Connectors(633)

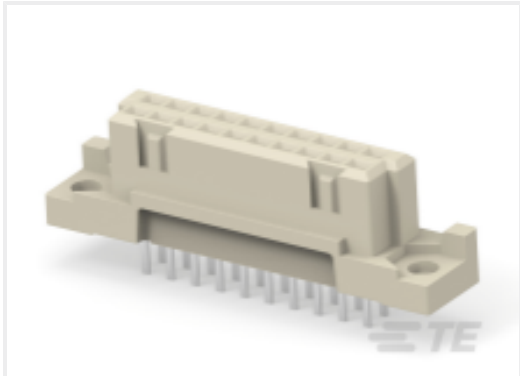
Customers Also Bought



TE Part #454950-E
M12 FEMALE, A CODE, 5P, 17MM SMT



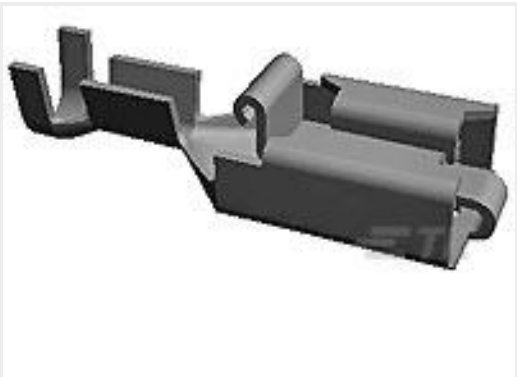
TE Part #224515-E
MSPEED 50 F SMDTHR F8 * AB VV 137 094 *



TE Part #254370-E
STVB/3 20 F AB VV 7-00 TL 4,0 * 247 E007



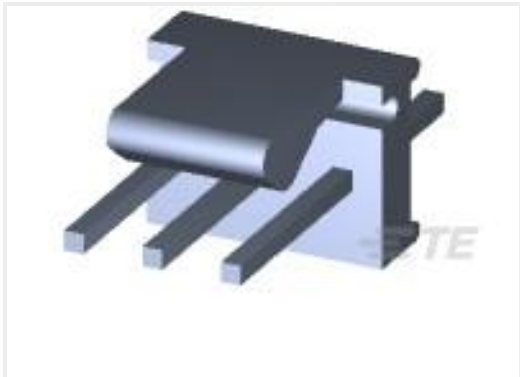
TE Part #5-103908-2
03 MTE HDR SRST LATCH W/HLDWN E007



TE Part #160773-4
PL LP RECEPTACLE 0.5-1.5 MM2 TPPHBZ



TE Part #350792-1
04P UMM L PIN HDR ASSY 94VO



TE Part #640456-3
03P MTA100 HDR ASSY F/L SQ STR



TE Part #640900-1
05P UMM L PIN HDR ASSY 94VO



TE Part #1-1825006-2
GDS06STR04=DIP SW,SLIDE,SMT,TR



TE Part #1-2201855-1
MINI I/O PLUG KIT TYPE II L

Documents

Product Drawings

CCA PC M12 * F * * * * * J 3 22553

English

CAD Files

Customer View Model

ENG_CVM_CVM_225507-E_1.3d_igs.zip

English

Customer View Model



[ENG_CVM_CVM_225507-E_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_225507-E_1.2d_dxf.zip](#)

English

[3D PDF](#)

3D

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

Datasheets & Catalog Pages

[ERNI M8M12 Circular Connectors](#)

English

[ERNI M8M12 Circular Connectors](#)

German