



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Panel**
Number of Positions: **12**
Reverse Gender: **Yes**
Shell Plating Material: **Black Chromium**
Shell Base Material: **Copper Alloy**

Features

Product Type Features

Product Type	Connector
Connector System	Wire-to-Panel
Circular Connector Type	Receptacle

Configuration Features

Keying	Single Key
Number of Positions	12
Contacts Preloaded	Yes

Body Features

Shell Plating Material	Black Chromium
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	PEEK

Contact Features

Reverse Gender	Yes
Circular Connector Contact Type	Socket

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization

Housing Features



Circular Connector Shell Size	2
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Dimensions

Panel Thickness	3 mm[.118 in]
	.708 in

Usage Conditions

Operating Temperature Range	-55 – 125 °C
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Packaging Features

Packaging Quantity	1
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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	Not Yet Reviewed
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: JAN 2019 (197) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Hand solderable with tin/lead solder

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.



Documents

Product Drawings
SHELL 103,F SERIES,12 POS,PCB PINS
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2157538-1_C_c-2157538-1-c.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_2157538-1_C_c-2157538-1-c.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2157538-1_C_c-2157538-1-c.3d_stp.zip
English

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Datasheets & Catalog Pages
Products for Aerospace and Defense
English

Product Specifications
Product Specification
English