T4131012051-000 - ACTIVE

M12 Connector

TE Internal #: T4131012051-000 5 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Copper Alloy, A Code, M12 Connector

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount Solder Cups



Number of Positions: 5

Connector System: Wire-to-Panel

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 4A

All M12 Panel Mount Solder Cups (56)



Features

Product Type Features

Assembly Requirement	Factory Assembled
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Metal
Configuration Features	
Keying & Polarized Position Locations	A
Factory Installed Backshell	No
Number of Positions	5

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5 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Copper Alloy, A Code, M12 Connector



Number of Power Positions	0
Number of Signal Positions	5
Contacts Preloaded	Yes
Electrical Characteristics	
Operating Voltage	60 VDC
Body Features	
O-Ring Material	Silicone
Environmental Protection	IP67
Environmental Protection Type	Elastomer Sealed
Primary Product Color	Black
Peripheral Seal Material	Silicone
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25
Hermetically Sealed	Yes
Contact Features	

Contact	Current	Rating	(Max)	
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Reverse Gender	Yes
Circular Connector Contact Type	Socket
Mechanical Attachment	
Mating Retention Type	Threaded Coupling
Mating Alignment	With
Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed
Housing Features	
Circular Connector Shell Size	18
Dimensions	
Wire Size	18 – 24 AWG
Usage Conditions	
IP Dust Sealing Level	6
IP Water Sealing Level	IP67

5 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Copper Alloy, A Code, M12 Connector



Operating Temperature Range-40 – 85 °C[-40 – 185 °F]Operation/Application100 CyclesDurability Rating100 CyclesCircuit ApplicationSignalShieldedNoIndustry StandardsUL 94HBUL Flammability RatingUL 94HBPackaging Features1Packaging Quantity1Field ServiceableYes		
Durability Rating100 CyclesCircuit ApplicationSignalShieldedNoIndustry StandardsUL Flammability RatingPackaging FeaturesUL 94HBPackaging Quantity1CtherUL 94HB	Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Circuit Application Signal Shielded No Industry Standards UL Plammability Rating UL Flammability Rating UL 94HB Packaging Features 1 Other Image: Packaging Place Pla	Operation/Application	
Shielded No Industry Standards UL 94HB UL Flammability Rating UL 94HB Packaging Features 1 Packaging Quantity 1	Durability Rating	100 Cycles
Industry Standards UL Flammability Rating UL 94HB Packaging Features Packaging Quantity 1 Other	Circuit Application	Signal
UL Flammability Rating UL 94HB Packaging Features Image: Comparison of the state of the stat	Shielded	No
Packaging Features 1 Packaging Quantity 1 Other 1	Industry Standards	
Packaging Quantity 1 Other	UL Flammability Rating	UL 94HB
Other	Packaging Features	
	Packaging Quantity	1
Field Serviceable Yes	Other	
	Field Serviceable	Yes
	Product Compliance	
Product Compliance	For compliance documentation, visit the product page on TE.com>	

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (4% in 74024580) Aticle Safe Usage Statements Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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

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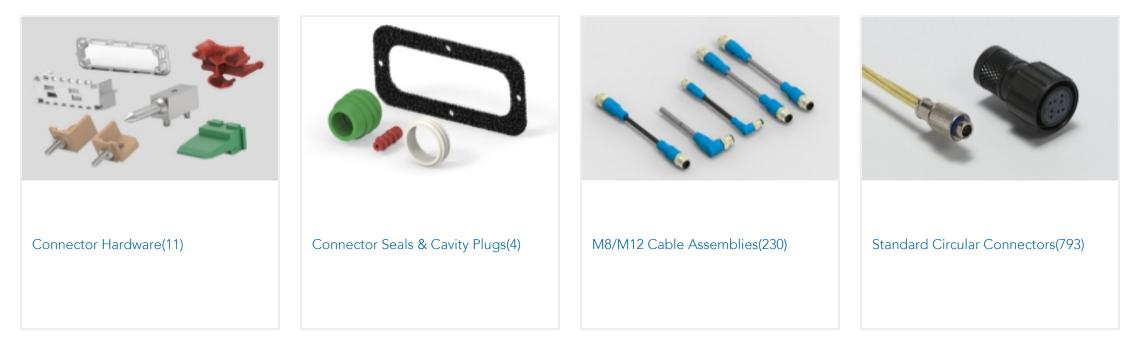


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

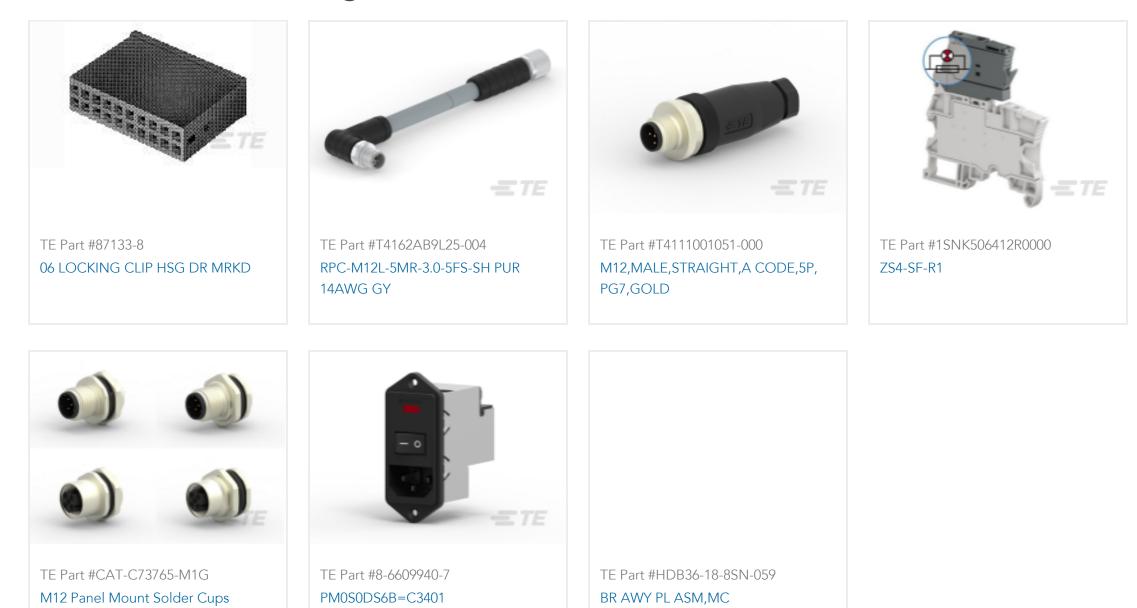
Compatible Parts



Also in the Series | M12 Connector



Customers Also Bought



Documents

Product Drawings

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5 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Copper Alloy, A Code, M12 Connector



M12,REAR MOUNT,FEMALE,A,5P,SOLDER WIRE

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4131012051-000_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4131012051-000_B.3d_stp.zip

English

Customer View Model ENG_CVM_CVM_T4131012051-000_B.2d_dxf.zip

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English

3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages M8 / M12 Connector System Catalog

English

M8 / M12 Connector System Catalog

Japanese

Product Specifications

Application Specification

English

Agency Approvals UL Report

English