



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Cable-to-Board**
Connector Mounting Type: **Board Mount**
Number of Positions: **5**
Sealable: **No**
Connector & Contact Terminates To: **Printed Circuit Board**

Features

Product Type Features

Product Type	Connector Assembly
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Circular Connector Type	Plug
Shell Type	Metal

Configuration Features

Keying	A
Number of Positions	5
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features



Entry Style	Side
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Contact Features

Contact Current Rating (Max)	4 A
Reverse Gender	No
Circular Connector Contact Type	Pin

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Mating Alignment	With
Connector Mounting Type	Board Mount
Polarization Code	A
Mating Alignment Type	Polarization
Mating Retention	Without

Usage Conditions

IP Water Sealing Level	IP67
Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]

Operation/Application

Durability Rating	100 Cycles
Circuit Application	Power, Signal & High Speed Data
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
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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 with Exemptions
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 2024 (241) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC



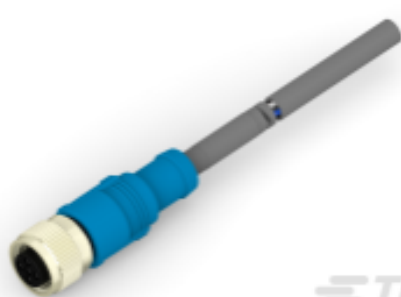







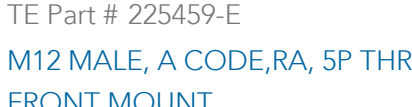
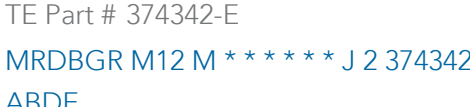


Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

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 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

 <p>TE Part # T4110012051-000 M12 F, 5P GOLD A_CODE S SHIELDED PG9</p>	 <p>TE Part # T4112012051-000 M12 F, 5P GOLD A_CODE RA SHIELDED PG9</p>	 <p>TE Part # T4161320005-001 RPC-M12-FS-5CON-PUR-0.5SH</p>	 <p>TE Part # 225251-E M12 MALE, A CODE, RA, 5P THR REAR MOUNT</p>
 <p>TE Part # 225252-E M12 MALE, A CODE, RA, 4P THR REAR MOUNT</p>	 <p>TE Part # 225255-E M12 MALE, A CODE, RA, 4P THR REAR MOUNT</p>	 <p>TE Part # 225456-E M12 MALE, A CODE, RA, 5P THR REAR MOUNT</p>	 <p>TE Part # 284377-E M12 METAL SHELL, MALE, VERT, 13MM, D8.35</p>
 <p>TE Part # 394863-E M12 METAL SHELL, MALE, VERT, 13MM, D9.55</p>	 <p>TE Part # 464272-E M12 METAL SHELL, MALE, VERT, 9MM</p>	 <p>TE Part # 225459-E M12 MALE, A CODE, RA, 5P THR FRONT MOUNT</p>	 <p>TE Part # 374342-E MRDBGR M12 M ***** J 2 374342 ABDE</p>




Also in the Series | M12 Connector



Connector Caps & Covers(5)




Connector Hardware(12)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(803)

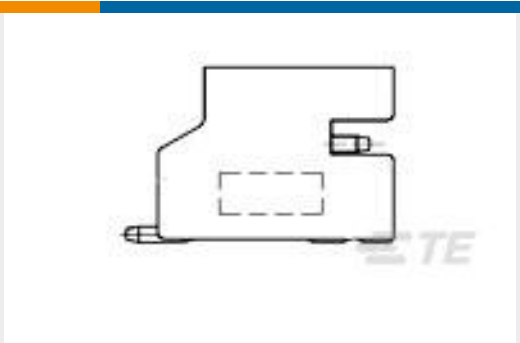
Customers Also Bought



TE Part #58546-1
PC 22-10 SOLISSPICE SPL I SHT



TE Part #3-2328724-1
31PIN 0.3MMP FPC CONNECTOR, FRONT FLIP



TE Part #2-1775469-4
HPI CONN., 2.0MM, R/A, SMT, 4P, GF



TE Part #4391-BHQ-T-005-001
5 PSI Differential Sensor



TE Part #5391-BHQ-T-001-001
1 PSI Differential Sensor



TE Part #214011-E
SRCA 1,27 2 M 1 SMD 137 E1 094 * GURT *



TE Part #214013-E
SRCA 1,27 6 M 1 SMD 137 E1 094 * GURT *



TE Part #5-2176421-2
TLRP 2512 2.0W R018 1% 50PPM 4K RL

Documents

Product Drawings

M12 MALE, A CODE, RA, 5P THR REAR MOUNT

English

M12 MALE, A CODE, RA, 5P THR REAR MOUNT

English



CAD Files

Customer View Model

ENG_CVM_CVM_225254-E_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_225254-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_225254-E_1.3d_igs.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

Product Specifications

Application Specification

English

Agency Approvals

UL

English