



Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 4

Connector System: **Board-to-Board**

Connector & Contact Terminates To: **Printed Circuit Board**

Contact Current Rating (Max): **4 A**

Circuit Application: **Power & Signal**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
Circular Connector Type	Receptacle

Configuration Features

Number of Positions	4
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Entry Style	Top
Environmental Protection	IP67

Contact Features

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Contact Current Rating (Max)	4 A
Circular Connector Contact Type	Pin

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

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

Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]
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Operation/Application

Circuit Application	Power & Signal
Shielded	No

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 with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
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 (2.7% in Component Part) Article 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 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 # 284377-E
M12 METAL SHELL, MALE, VERT,
13MM, D8.35



TE Part # 374342-E
MRDBGR M12 M ***** J 2 374342
ABDE

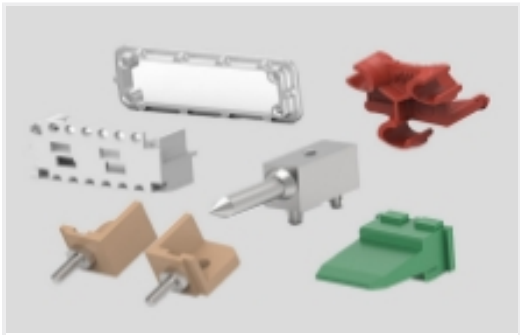


TE Part # 394863-E
M12 METAL SHELL, MALE, VERT,
13MM, D9.55




TE Part # CAT-C73765-M1E
M12 Field Installable Unshielded

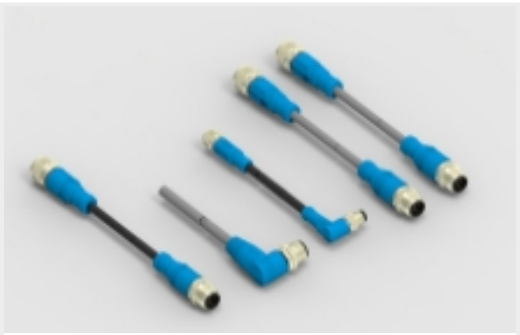
Also in the Series | M12 Connector




Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(792)

Customers Also Bought





TE Part #054596-E
SMCB 50 M AB VV 3-03 CLHD * 0007
137 E00



TE Part #124044-E
SMCB 26 F AB VV 6-03 CLHD * H007
137 E00



TE Part #144662-E
MSPEED 50 F SMD F4 * AB VV 137 094
* * E



TE Part #244837-E
SMCQ 26 M AB VV 8-13 CL * H007 137
E005



TE Part #154805-E
SMCB 12 F AB VV 7-13 CL * H007 137
E002



TE Part #224557-E
MSPEED 50 M SMD M2 * AB VV 137
094 * * E



TE Part #254589-E
SMCQ 32 M AB VV 8-13 CL * H007 137
E005



TE Part #1-1416200-4
V23061A1006X108



TE Part #3-2301994-8
RJ45 JACK INT.MAG. 10/100 1X1 INV.



TE Part #354681-E
MSPEED 44 F SMD * 90BE AB VV 137
094 * 9

Documents

Product Drawings

M12 MALE, B CODE, 4P, 10.5MM SMT

English

CAD Files

Customer View Model

ENG_CVM_CVM_494705-E_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_494705-E_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_494705-E_B.2d_dxf.zip

English

3D PDF

3D

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Product Specifications



Application Specification

English

Agency Approvals

UL

English