

374947-E ✓ ACTIVE

ERNI | M12 Connector

TE Internal #: 374947-E

5 Position Circular Connector, Board-to-Board, Printed Circuit Board, Power & Signal, Board Mount, B Code, Contacts Preloaded, Plug, M12 Connector

[View on TE.com >](#)



Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 5

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	Plug

Configuration Features

Number of Positions	5
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	60 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
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Circular Connector Contact Type	Pin
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Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

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

Assembly Length	13 mm
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Usage Conditions

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

Circuit Application	Power & Signal
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Shielded	No
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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
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JAN 2025 (247)</p> <p>Candidate List Declared Against: JAN 2025 (247)</p> <p>SVHC > Threshold:</p> <p>Pb (2.9% in Component Part)</p>
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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
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Solder Process Capability	Not reviewed for solder process capability
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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 # 394863-E
M12 METAL SHELL, MALE, VERT,
13MM, D9.55



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




TE Part # 394331-E
M12 MALE, A CODE, 8P, 17MM SMT



TE Part # 494020-E
M12 MALE, A CODE, 4P, 17MM SMT



TE Part # 284377-E
M12 METAL SHELL, MALE, VERT,
13MM, D8.35

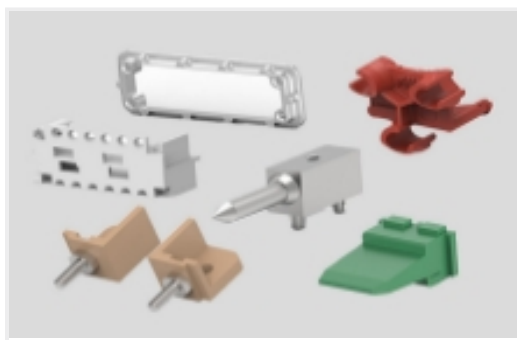


TE Part # 374342-E
MRDBGR M12 M ***** J 2 374342
ABDE



TE Part # 484967-E
M12 MALE, A CODE, 5P, 17MM SMT

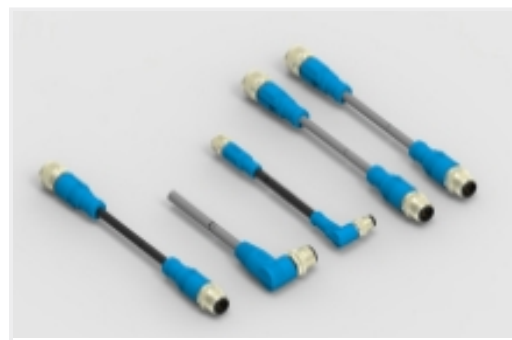
Also in the Series | [M12 Connector](#)



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(792)

Customers Also Bought



TE Part #G-MRCO-017
CO MS32 8L TDFN 2,5x2,5 SWITCH
ANALOG



TE Part #464643-E
M8 FEMALE, A CODE, 3P, 16.25MM
SMT



TE Part #3-794636-6
06P MICRO MNL ASSY,VRT,SMT,LF



TE Part #826646-3
3P AMPMODU II STIFT LEI



TE Part #969973-5
2x5P HV100 REC. CON, SMD, GOLD,
BLISTER



TE Part #2-1445053-3
MICRO MNL HDR ASSY S/ROW LF



TE Part #5207953-3
FEMALE SCREWLOCK, SHORT, ZN

Documents

Product Drawings

M12 MALE, B CODE, 5P, 17MM SMT

English

CAD Files

Customer View Model

[ENG_CVM_CVM_374947-E_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_374947-E_D.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_374947-E_D.2d_dxf.zip](#)

English

3D PDF

3D

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Product Specifications

Application Specification

English

Agency Approvals

UL

English