

454829-E ✓ ACTIVE

ERNI | M12 Connector

TE Internal #: 454829-E

Standard Circular Connectors, Cable-to-Board, 4 Position, Printed Circuit Board, Power, Signal & High Speed Data, Board Mount, M12 Connector

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Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **4**

Sealable: **No**

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

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

Features

Product Type Features

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

Configuration Features

Keying	A
Number of Positions	4
Contacts Preloaded	Yes

Contact Features

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

Termination Features



Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Polarization Code	A
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 & High Speed Data
Shielded	No

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (3.5% 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	Not Yet Reviewed for halogen content
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 Regulation, the information TE provides 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



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



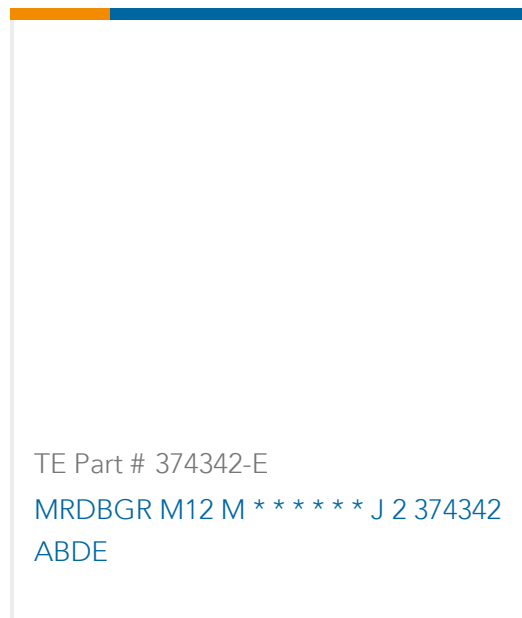
TE Part # T4151320004-001
RPC-M12-FS-4CON-PUR-0.5



TE Part # 284377-E
MRDEZT M12 GEH.TEIL ML DM 9,55
A=13MM *



TE Part # 394863-E
MRDEZT M12 GEH.TEIL ML DM 9,55
A=13MM *



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

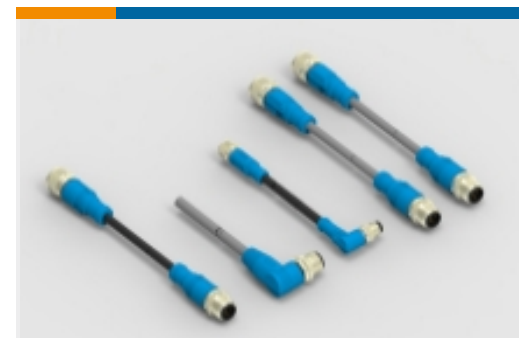
Also in the Series | M12 Connector



Connector Caps & Covers(5)



Connector Hardware(12)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(802)

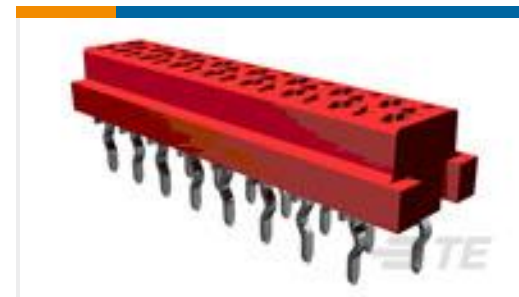
Customers Also Bought



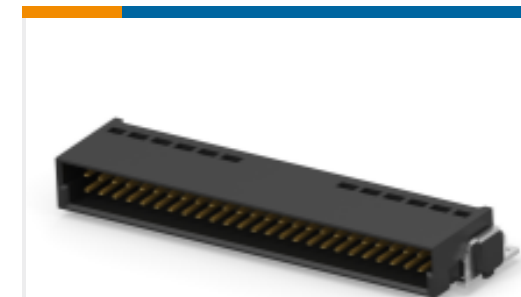
TE Part #969973-3
2x3P HV100 REC. CON, SMD, GOLD,
BLISTER



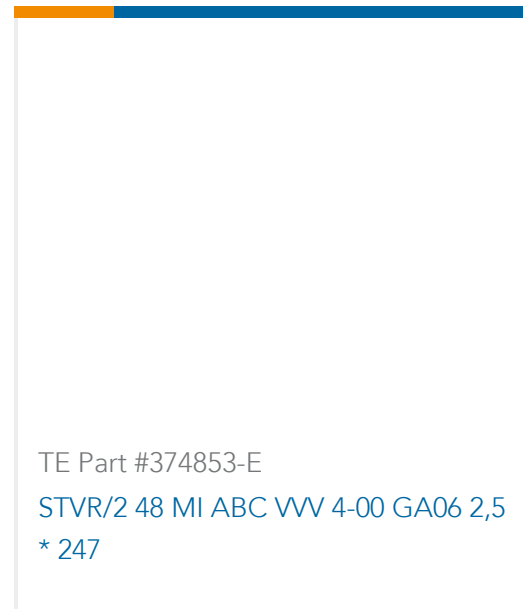
TE Part #969973-6
2x6P HV100 REC. CON, SMD, GOLD,
BLISTER



TE Part #1-215079-6
MICRO-MATCH FOB.16P



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



Documents

Product Drawings

[M12 M 4 A H S * 201 17,0 094 * * * * 000](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_454829-E_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_454829-E_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_454829-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