

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	Compliant
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



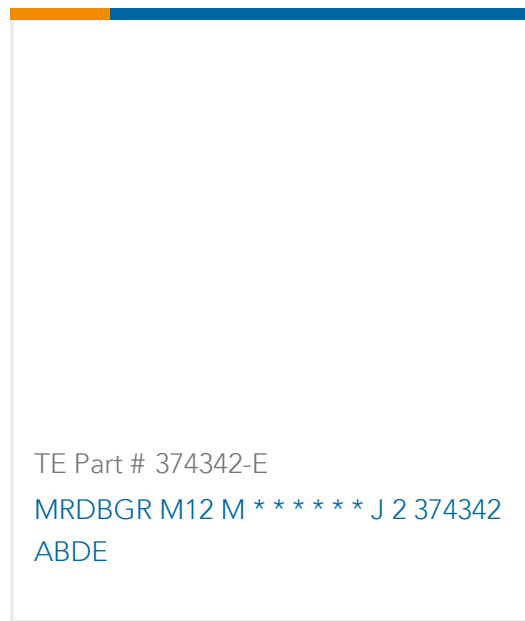
TE Part # T4151320004-001
RPC-M12-FS-4CON-PUR-0.5



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



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



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

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)

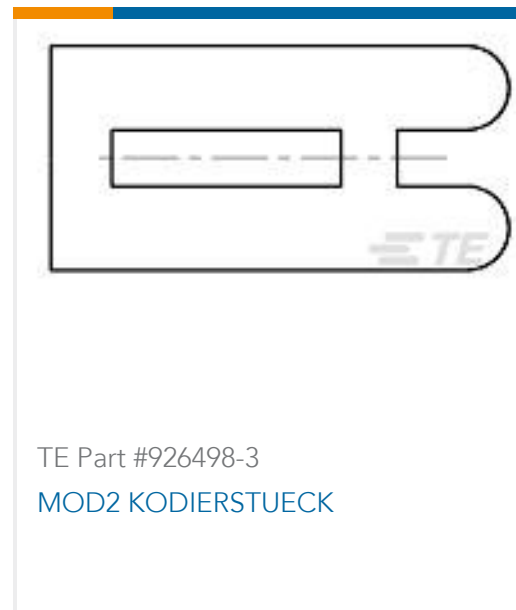
Customers Also Bought



TE Part #826467-8
8P MOD II SHROUDED HEADER, ST



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



TE Part #926498-3
MOD2 KODIERSTUECK



TE Part #225275-E
M12 FEMALE, A CODE, RA, 5P THR
REAR MOUNT



TE Part #225284-E
M12 FEMALE, D CODE, RA, 4P THR
REAR MOUNT



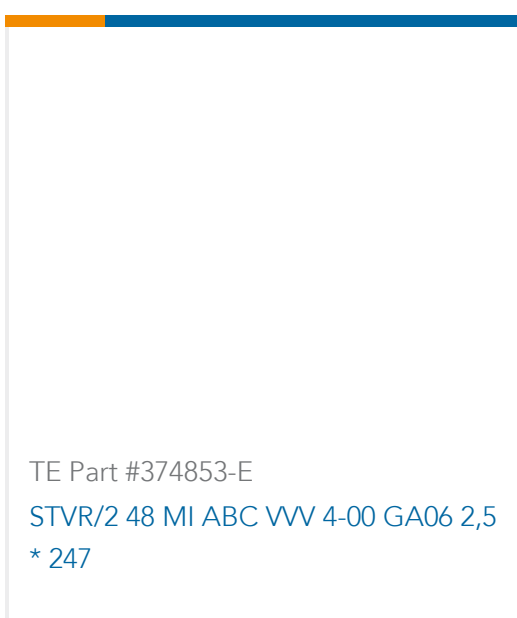
TE Part #284740-E
M12 MALE, A CODE, 5P, 10.5MM SMT



TE Part #484574-E
M12 FEMALE, D CODE, 4P, 17MM
SMT



TE Part #5406544-1
INV MJ, 1X4, PNL GRD



TE Part #374853-E
STVR/2 48 MI ABC VVV 4-00 GA06 2,5
* 247

Documents

Product Drawings

[M12 MALE, A CODE, 4P, 17MM SMT](#)

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