T4171210505-001 ✔ ACTIVE

M12 Connector

TE Internal #: T4171210505-001

5 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Copper Alloy, D Code, M12 Connector

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount Wire

Number of Positions: **5**

Connector System: **Wire-to-Panel**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

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

All M12 Panel Mount Wire (66)

Features

Product Type Features

Assembly Requirement	Factory Assembled
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Prewired	Yes
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Metal

Configuration Features

Keying & Polarized Position Locations	D
Factory Installed Backshell	No

T4171210505-001

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Number of Positions	5
Number of Power Positions	0
Number of Signal Positions	5
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	60 VAC

Body Features

O-Ring Material	Silicone
Environmental Protection Type	Sealed
Primary Product Color	Black
Peripheral Seal Material	Silicone
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25
Hermetically Sealed	Yes

Contact Features

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

Mechanical Attachment

Connector Mounting Type	Panel Mount
Polarization Code	D
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	18

Dimensions

Wire Size	22 AWG

Usage Conditions

IP Water Sealing Level	IP67
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

T4171210505-001

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Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	1

Other

Field Serviceable	No

Product Compliance

For compliance documentation, visit the product page on TE.com>

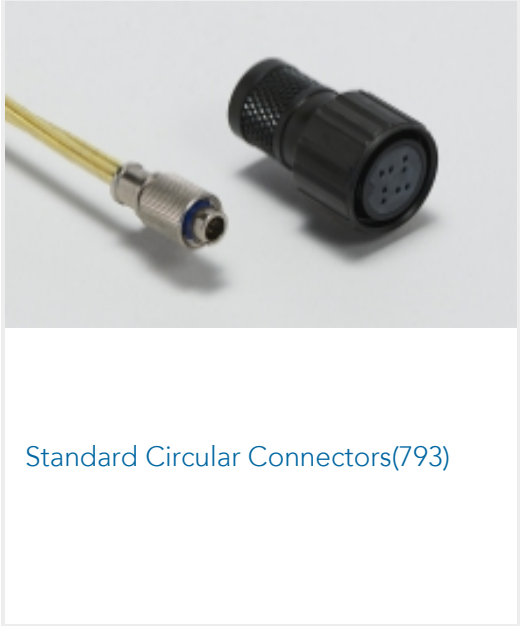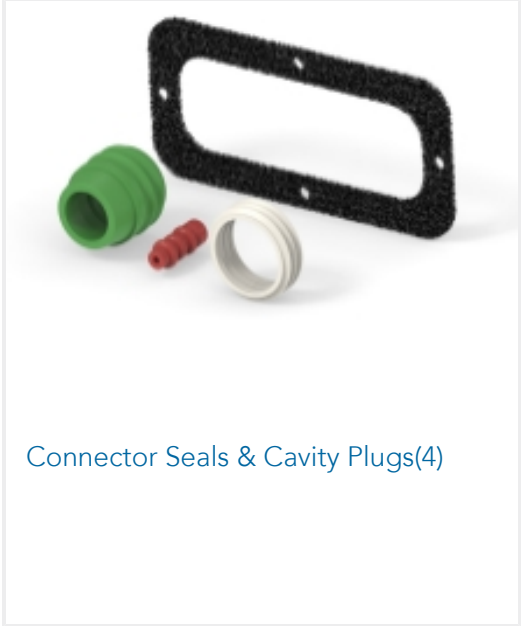| EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (1.9% in 2505725083) **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 Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable 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
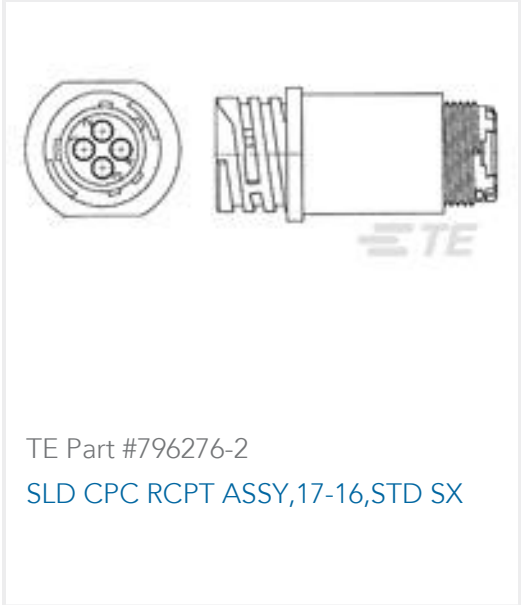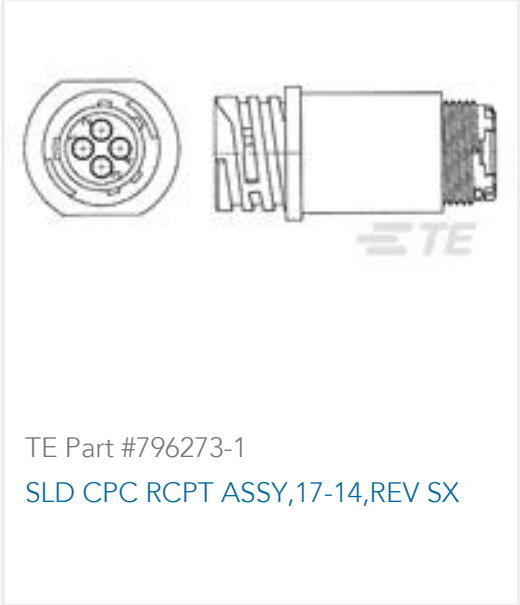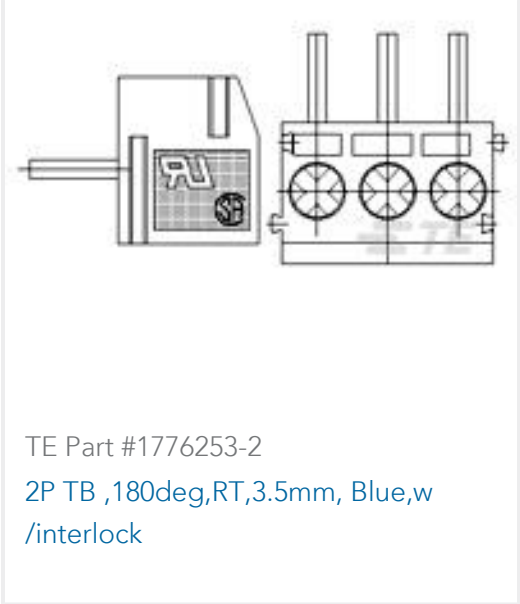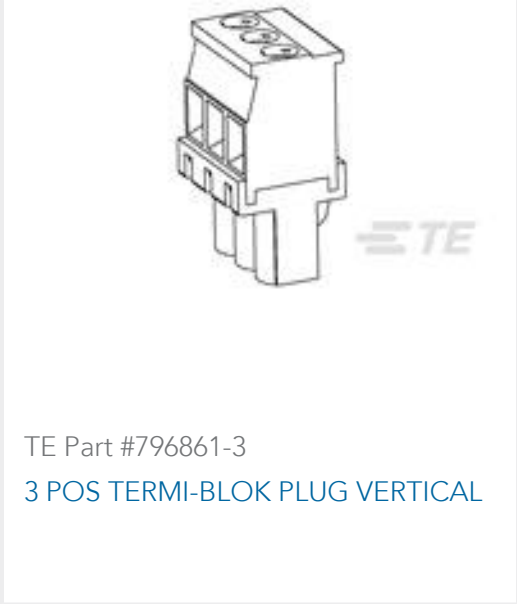
Compatible Parts

5 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Copper Alloy, D Code, M12 Connector

TE Part # T4110502051-000

M12,FEMALE,STRAIGHT,D CODE,5P, PG9,GOLD

Also in the Series | M12 Connector

Connector Hardware(11)

Connector Seals & Cavity Plugs(4)

M8/M12 Cable Assemblies(230)

Standard Circular Connectors(793)

Customers Also Bought

TE Part #DTP04-4P

REC, 4P, GRY, N

TE Part #284512-4

4 POS TERMI-BLOK HDR 900 POLAR

TE Part #796861-3

3 POS TERMI-BLOK PLUG VERTICAL

TE Part #1776253-2

2P TB ,180deg,RT,3.5mm, Blue,w /interlock

TE Part #500030-1

SPIRAP 1/4" PE, OUTDR,BLK,50FT

TE Part #T4161120005-001

RPC-M12-MS-5CON-PUR-0.5SH

TE Part #1056030001

D-SCE-1K-3.2-50-S1-4

TE Part #796273-1

SLD CPC RCPT ASSY,17-14,REV SX

TE Part #2001140-03

PACKARD INTERFACE CONN/CBL 3'

TE Part #796276-2

SLD CPC RCPT ASSY,17-16,STD SX

T4171210505-001

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Documents

Product Drawings

M12,FRONT MOUNTING,MALE,D,5P,0.2M WIRE

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4171210505-001_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4171210505-001_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_T4171210505-001_B.2d_dxf.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

M8 / M12 Connector System Catalog

Japanese

Product Specifications

Application Specification

English

Agency Approvals

UL

English