T4144035081-000 ✔ ACTIVE

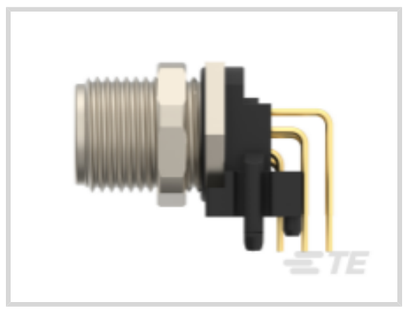
M12 Connector

TE Internal #: T4144035081-000

Wire-to-Panel, 8 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector, Standard Circular Connectors

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors




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

Connector Mounting Type: **Panel Mount**

Number of Positions: **8**

Sealable: **Yes**

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

Features

Product Type Features

Product Type	Connector Assembly
Accessory Color	Black
Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
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	0
Keying	A

Number of Positions	8
Number of Power Positions	0
Number of Signal Positions	8
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	30 VAC
Voltage	30 Vrms

Body Features

Peripheral Seal Material	Silicone
Environmental Protection	IP67
Weight	10.13 g[.022 lb]
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide GF
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	2 A
Reverse Gender	Yes
Circular Connector Contact Type	Pin

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Threaded Coupling
Mating Alignment	With
PCB Mount Retention	With
Panel Mount Feature Type	Screw Nut
Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	18

Dimensions

Panel Thickness	2 – 3 mm[.079 – .118 in]

Usage Conditions

IP Dust Sealing Level	6
IP Water Sealing Level	IP67
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	120

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (4% 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 Low Halogen - contains Br or Cl > 900 ppm.
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

Also in the Series | M12 Connector



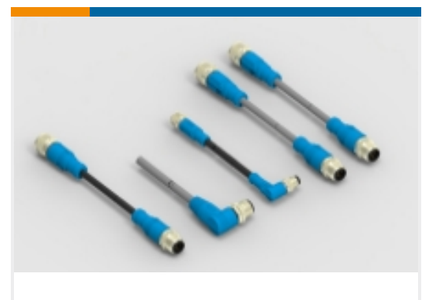
Connector Caps & Covers(5)



Connector Hardware(12)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(803)

Customers Also Bought



TE Part #1-2273002-1
M8 x 1.0 straight plug Pigtail



TE Part #5747840-6
HD-20 PLUG RA .318 FMS BD-LK S



TE Part #T4145035051-001
M12 Panel Mount PCB



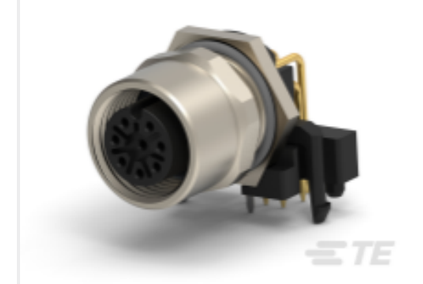
TE Part #1028-015-1205
BKSHL, 12P, BLK, PLG, ST, NW 13/17



TE Part #NB11242001
ATUM-40/13-0-STK



TE Part #MTRA61274CB2-001
OMNI,DB,Ph,617/1690 MHz



TE Part #T4145035081-002
M12 RA PCB CONN. Female 8 P SHIELD

Documents

Product Drawings

M12 RA PCB CONN. Male 8P SHIELD

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4144035081-000_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4144035081-000_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_T4144035081-000_B.2d_dxf.zip

English

3D PDF

3D

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

Product Specifications

Application Specification

English

Agency Approvals

UL

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2380312-2 SMW73R0JT U5254-000005-030PA 1743455-2 SBCHE64R7K 1-794222-0 141991-2
2005330-1 2310537-1 3-1393225-0 SBCHE154R7K 1903112-2 3430B2F51RTDF 917696-1 2377783-2
2834055-1 650075-000 936348-1 CRGCQ2010J3K3 1-962915-1 3631B101LL TE50BR39J ROX05SJ18R
1393431-1 175977-2 CPF0402B37K4E1 MPT100C18RF RH73H2A40MKTN 1969656-1 2-292161-3