TCM044PC2DC012B ✔ ACTIVE

Nanonics

TE Internal #: 1589694-2

Standard Circular Connectors, Wire-to-Wire, 44 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Electroless Nickel, Aluminum

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors > Circular Threaded Coupling Connectors: Plug, 44 Positions

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

Connector Mounting Type: **Cable Mount (Free-Hanging)**

Number of Positions: **44**

Sealable: **Yes**

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

All Circular Threaded Coupling Connectors: Plug, 44 Positions (3)

Features

Product Type Features

Circular Connector Shell Type	Metal-Shell
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Circular Connector Plug
Shell Type	Metal

Configuration Features

Factory Installed Backshell	With
Number of Positions	44
Contacts Preloaded	Yes

Body Features

O-Ring Material	Fluorosilicone
Shell Plating Material	Electroless Nickel
Shell Base Material	Aluminum
Circular Connector Insulation Material Type	LCP (Liquid Crystal Polymer)
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	1 A
Circular Connector Contact Type	Pin

Mechanical Attachment

Mating Retention Type	Threaded Coupling
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With

Dimensions

Assembly Length	318.14 mm[12.525 in]
Wire Size	30 AWG

Usage Conditions

IP Water Sealing Level	IP68
Operating Temperature Range	-67 – 392 °C

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Quantity	1

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (.6% in 74018820) 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	Wave solder capable to 265°C

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

Customers Also Bought

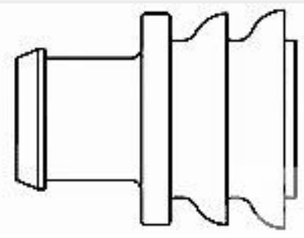
TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts

TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT

TE Part #DT06-2S
PLG, 2P, GRY, N

TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL

TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

TCM044PC2DC012B = CIRCULAR

English

CAD Files

Customer View Model

ENG_CVM_CVM_1589694-2_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1589694-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1589694-2_E.3d_stp.zip

English

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

Datasheets & Catalog Pages

1589694 Nanonics Cross Reference

English