

2828420-2 ✓ ACTIVE

O.C.H. Micro Circular Connectors

TE Internal #: 2828420-2

Standard Circular Connectors, Cable-to-Board, 6 Position, Sealable, Printed Circuit Board, Signal, Black Zinc Nickel, O.C.H. Micro Circular Connectors

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Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **6**

Sealable: **Yes**

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

Contact Current Rating (Max): **1.5 A**

Features

Product Type Features

Product Type	Connector
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board
Circular Connector Type	Receptacle
Shell Type	Solder Mount Receptacle

Configuration Features

Factory Installed Backshell	Without
Number of Positions	6
Number of Power Positions	0
Number of Signal Positions	6
Contacts Preloaded	Yes

Body Features

Shell Plating Material	Black Zinc Nickel
Shell Base Material	Aluminum 6061-T6
Circular Connector Insulation Material Type	LCP (Liquid Crystal Polymer)
Hermetically Sealed	No



Contact Features

Contact Current Rating (Max)	1.5 A
Reverse Gender	No

Mechanical Attachment

Polarization Code	Normal
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	6
Alignment Keyed	Insert Clocking

Usage Conditions

IP Water Sealing Level	IP67
Fluid Resistance	Immersible
IP Dust Sealing Level	5
Operating Temperature Range	0 – 70 °C[0 – 131 °F]

Operation/Application

Durability Rating	2000 Cycles
Circuit Application	Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
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Other

Position Locations Omitted	0
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: JUNE 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (4% in Contact/Component)

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

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Wave solder capable to 265°C

Product Compliance Disclaimer

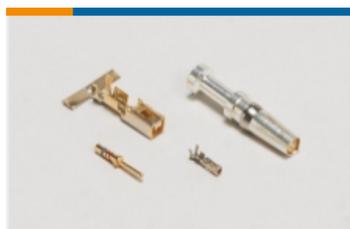
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

Compatible Parts



TE Part # 2226910-1
NETT WARRIOR PLUG ASSEMBLY

Also in the Series | O.C.H. Micro Circular Connectors



Connector Contacts(2)



Crimp Wire Pins, Tabs & Ferrules(1)



Standard Circular Connectors(6)



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2828420-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2828420-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2828420-2_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

O.C.H. Micro Circular Connectors

English

Product Specifications

Product Specification

English