2828420-1 ✔ ACTIVE

O.C.H. Micro Circular Connectors

TE Internal #: 2828420-1

Cable-to-Board, Circular Connector Receptacle, 6 Position, Shell Size 6, Sealable, Printed Circuit Board, Signal, 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

Assembly Type	Electrical Connector
Prewired	Yes
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board
Circular Connector Type	Circular Connector 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

Primary Product Color	Black
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
Circular Connector Contact Type	Socket

Mechanical Attachment

Polarization Code	Normal
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	6

Usage Conditions

IP Dust Sealing Level	5
IP Water Sealing Level	IP67
Operating Temperature Range	0 – 70 °C[32 – 158 °F]

Operation/Application

Durability Rating	2000 Cycles
Circuit Application	Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1

Other

Field Serviceable	No
Position Locations Omitted	All

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 2025 (250) Candidate List Declared Against: JAN 2024 (240) 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 < 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

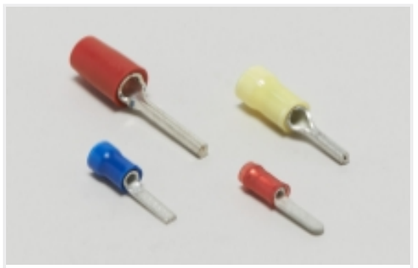


TE Part # 2226910-1
NETT WARRIOR PLUG ASSEMBLY

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



Connector Contacts(2)



Crimp Wire Pins, Tabs & Ferrules(1)



Standard Circular Connectors(6)

Customers Also Bought



TE Part #3-1879338-5
CPF 0603 60K4 1% 50PPM 1K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2828420-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2828420-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2828420-1_A.3d_stp.zip

English

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Product Specifications

Product Specification

English