

2828420-1 ✓ ACTIVE

O.C.H. Micro Circular Connectors

TE Internal #: 2828420-1

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 |
| Accessory Color | Black |
| Prewired | Yes |
| Assembly Type | Electrical 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 |
|----------------|----|

| | |
|---------------------------------|--------|
| 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 Water Sealing Level | IP67 |
|------------------------|------|

| | |
|-----------------------|---|
| 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 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

Other

| | |
|----------------------------|-----|
| Position Locations Omitted | All |
|----------------------------|-----|

| | |
|-------------------|----|
| 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 | <p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JUNE 2022 (224)</p> <p>SVHC > Threshold:</p> <p>Pb (4% in Contact/Component)</p> <p>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.</p> |
| 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



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_2828420-1_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

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