

#### O.C.H. Micro Circular Connectors

TE Internal #: 2226910-2

Wire-to-Wire, Circular Connector Plug, 6 Position, Shell Size 6, Sealable, Wire & Cable, Signal, Black Zinc Nickel, O.C.H. Micro

Circular Connectors

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Connectors > Circular Connectors > Standard Circular Connectors



Connector System: Wire-to-Wire

Number of Positions: 6

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 5 A

### **Features**

### **Product Type Features**

Connector Product Type	Connector Kit
Assembly Type	Electrical Connector
Prewired	No
Connector System	Wire-to-Wire
Sealable	Yes
Carana atau 8 Carata at Tarrasina ta a Ta	
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Wire & Cable  Circular Connector Plug

### **Configuration Features**

Keying & Polarized Position Locations	Normal
Factory Installed Backshell	No
Number of Positions	6
Number of Power Positions	0
Number of Signal Positions	6
Contacts Preloaded	No
Body Features	

#### body reatures

Product Weight	2.62 g
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Contact Current Rating (Max)  Reverse Gender  No  Circular Connector Contact Type  Mechanical Attachment  Panel Mount Feature  Mating Retention Type  Push-Pull Self-Locking  PCB Mount Retention  Without  Panel Mount Feature Type  Flange  Mating Alignment  With  PCB Mount Alignment  Without  Polarization Code  Mating Alignment Type  Keyed  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Dimensions	O-Ring Material	Fluorosilicone
Freiricommental Protection Shield Rating 100 - 10000 Mil tz Environmental Protection Type Elastomer Sealed Primary Product Color Black Peripheral Seal Material Huid Type None Feedthrough Type No Shell Plating Material Black Zinc Nickel Shell Base Material Aluminum 6061-T6 Circular Connector Insulation Material Type LCP (Liquid Crystal Polymer) Hemotically Sealed No Contact Features Contact Current Rating (Max) S A Reverse Gender No Circular Connector Contact Type Pin Mechanical Attachment Panel Mount Feature Mating Retention Type PDB Mount Retention Panel Mount Feature Type Mating Alignment PCR Mount Alignment PCR Mount Alignment PCR Mount Alignment PCR Mount Alignment Polarization Code Mating Alignment Mating Retention Mechanical Code Mating Alignment PCR Mount Alignment PCR	Positive Stop Ferrule	Without
Shield Rating 100 - 10000 MHz Environmental Protection Type Elastomer Sealed  Primary Product Color Black Peripheral Seal Material Fluoresilicone Elastomer  Fluid Type None Feachtrough Typa None Feachtrough Typa No Shell Plating Material Black Zinc Nickel Shell Rase Material Aluminum 6061-16 Circular Connector Insulation Material Type LCP (Liquid Crystal Polymer) Hermetically Sealed No  Contact Features  Contact Features  Contact Current Rating (Max) 5 A Reverse Gender No Circular Connector Contact Type Pin  Mechanical Attachment  Panel Mount Feature Without Mating Retention Type Push-Pull Self-Locking PCB Mount Retention Without Panel Mount Feature Type Flange Mating Alignment Without Polarization Code Normal Mating Alignment Type Keyed Mating Retention Without Polarization Code Normal Mating Retention Mount Retention Mount Retention Without Polarization Code Normal Mating Retention Mount Retention Without Housing Features  Circular Connector Shell Size 4 Alignment Keyed Insert Clocking	Entry Style	Rear Insertion
Environmental Protection Type Elastorner Sealed  Primary Product Color Black  Peripheral Scal Material Fluorosilicone Elastomer  Fluid Type None  Feedthrough Type No Shell Plating Material Black Zinc Nickel Shell Base Material Aluminum 6061-16  Circular Connector Insulation Material Type LCP (Liquid Crystal Polymer) Hermetically Sealed No  Contact Features  Contact Current Roting (Max) 5 A  Reverse Gender No Circular Connector Contact Type Pin  Mechanical Attachment  Panel Mount Feature Without  Mating Retention Type Push-Pull Self-Locking  PCH Mount Retention Without  Panel Mount Retention Without  Panel Mount Alignment With  PCB Mount Alignment With  PCB Mount Alignment With  PCB Mount Alignment Type Keyed  Mating Alignment Type Keyed  Mating Alignment Type Keyed  Mating Retention With  Housing Features  Circular Connector Shell Size 6  Alignment Keyed Insert Clocking  Dimensions	Environmental Protection	With
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Peripheral Seal Material Fluid Type None Feedthrough Type No Shell Plating Material Shell Base Material Shell Base Material Aluminum 6061-16 Circular Connector Insulation Material Type LCP (Liquid Crystal Polymer) Hermetically Sealed No Contact Features Contact Current Rating (Max) Feeders Gender Circular Connector Contact Type Pin Mechanical Attachment Panel Mount Feature Without Mating Retention Type Push-Pull Self-Locking PCB Mount Retention Without Panel Mount Alignment Without Wating Alignment Without Without Mating Alignment Without Polarization Code Normal Mating Alignment Type Mating Retention With Housing Features Circular Connector Shell Size Alignment Keyed Insert Clocking Dimensions	Environmental Protection Type	Elastomer Sealed
Fluid Type None  Feedthrough Type No 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 Features  Contact Features  Contact Current Rating (Max) 5 A  Reverse Gender No Circular Connector Contact Type Pin  Mechanical Attachment  Panel Mount Feature Without Mating Retention Type Push-Pull Self-Locking  PCB Mount Retention Without  Panel Mount Feature Type Flange Mating Alignment Without  PCB Mount Alignment Without  POlarization Code Normel  Mating Alignment Type Keyed  Mating Retention With  Housing Features  Circular Connector Shell Size 6 Alignment Keyed Insert Clocking  Dimensions	Primary Product Color	Black
Feedthrough Type  Shell Plating Material  Shell Black Zinc Nickel  Shell Black Material  Aluminum 6061 T6  Circular Connector Insulation Material Type  LCP (Liquid Crystal Polymer)  Hermetically Sealed  No  Contact Features  Contact Current Rating (Max)  Reverse Gender  No  Circular Connector Contact Type  Pin  Mechanical Attachment  Panel Mount Feature  Without  Mating Retention Type  Push-Pull SelF-Locking  PCB Mount Retention  Without  Panel Mount Feature Type  Flange  Mating Alignment  Without  Polarization Code  Mating Alignment Type  Mating Alignment Type  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Insert Clocking	Peripheral Seal Material	Fluorosilicone Elastomer
Shell Plating Material Shell Base Material Aluminum 6061-T6 Circular Connector Insulation Material Type LCP (Liquid Crystal Polymer) Hermetically Sealed No  Contact Features  Contact Current Rating (Max) 5 A Reverse Gender No Circular Connector Contact Type Pin  Mechanical Attachment  Panel Mount Feature Without Mating Retention With United With United Plange Mating Alignment Without Polarization Code Mating Alignment Type Mating Alignment Type Mating Alignment Type Mating Alignment Type Mating Alignment With Housing Features  Circular Connector Shell Size Alignment Keyed Insert Clocking  Dimensions	Fluid Type	None
Shell Base Material Aluminum 6061-T6 Circular Connector Insulation Material Type LCP (Liquid Crystal Polymer) Hermetically Sealed No  Contact Features  Contact Current Rating (Max) 5 A Reverse Gender No Circular Connector Contact Type Pin  Mechanical Attachment  Panel Mount Feature Without Mating Retention Type Push-Pull Self-Locking PCB Mount Rotention Without Panel Mount Feature Type Flange Mating Alignment With PCB Mount Alignment Without Polarization Code Normal Mating Alignment Type Keyed Mating Retention With Housing Features  Circular Connector Shell Size 6 Alignment Keyed Insert Clocking  Dimensions	Feedthrough Type	No
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Hermetically Sealed No  Contact Features  Contact Current Rating (Max) 5 A  Reverse Gender No  Circular Connector Contact Type Pin  Mechanical Attachment  Panel Mount Feature Without  Mating Retention Type Push-Pull Self-Locking  PCB Mount Retention  Panel Mount Feature Type Flange  Mating Alignment With  PCB Mount Alignment Without  Polarization Code Normal  Mating Alignment Type Keyed  Mating Alignment Type Keyed  Mating Retention With  Housing Features  Circular Connector Shell Size 6  Alignment Keyed Insert Clocking  Dimensions	Shell Base Material	Aluminum 6061-T6
Contact Current Rating (Max)  Contact Current Rating (Max)  Reverse Gender  No  Circular Connector Contact Type  Mechanical Attachment  Panel Mount Feature  Without  Mating Retention Type  Push-Pull Self-Locking  PCB Mount Retention  Without  Panel Mount Feature Type  Flange  Mating Alignment  With  PCB Mount Alignment  Without  Polarization Code  Normal  Mating Alignment Type  Keyed  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Dimensions	Circular Connector Insulation Material Type	LCP (Liquid Crystal Polymer)
Contact Current Rating (Max)  Reverse Gender  No  Circular Connector Contact Type  Mechanical Attachment  Panel Mount Feature  Mating Retention Type  Push-Pull Self-Locking  PCB Mount Retention  Without  Panel Mount Feature Type  Flange  Mating Alignment  With  PCB Mount Alignment  Without  Polarization Code  Mating Alignment Type  Keyed  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Dimensions	Hermetically Sealed	No
Reverse Gender No Circular Connector Contact Type Pin  Mechanical Attachment  Panel Mount Feature Without  Mating Retention Type Push-Pull Self-Locking  PCB Mount Retention Without  Panel Mount Feature Type Flange  Mating Alignment Without  POlarization Code Normal  Mating Alignment Type Keyed  Mating Retention With  Housing Features  Circular Connector Shell Size 6  Alignment Keyed Insert Clocking  Dimensions	Contact Features	
Circular Connector Contact Type  Mechanical Attachment  Panel Mount Feature  Mating Retention Type  Push-Pull Self-Locking  PCB Mount Retention  Without  Panel Mount Feature Type  Flange  Mating Alignment  Without  Polarization Code  Normal  Mating Alignment Type  Keyed  Mating Retention  With  Circular Connector Shell Size  Alignment Keyed  Dimensions	Contact Current Rating (Max)	5 A
Mechanical Attachment  Panel Mount Feature  Mating Retention Type  PCB Mount Retention  Panel Mount Feature Type  Mating Alignment  PCB Mount Alignment  Without  Polarization Code  Mating Alignment Type  Mating Retention  With  Keyed  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Dimensions	Reverse Gender	No
Panel Mount Feature  Mating Retention Type  Push-Pull Self-Locking  PCB Mount Retention  Without  Panel Mount Feature Type  Flange  Mating Alignment  With  PCB Mount Alignment Type  Mating Alignment Type  Keyed  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Dimensions	Circular Connector Contact Type	Pin
Mating Retention Type PCB Mount Retention Without Panel Mount Feature Type Flange Mating Alignment With PCB Mount Alignment Without Polarization Code Normal Mating Alignment Type Keyed Mating Retention With Housing Features Circular Connector Shell Size Alignment Keyed Dimensions	Mechanical Attachment	
PCB Mount Retention  Panel Mount Feature Type  Flange  Mating Alignment  With  PCB Mount Alignment  Without  Polarization Code  Normal  Mating Alignment Type  Keyed  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Dimensions	Panel Mount Feature	Without
Panel Mount Feature Type  Mating Alignment  With  PCB Mount Alignment  Without  Polarization Code  Normal  Mating Alignment Type  Keyed  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Dimensions	Mating Retention Type	Push-Pull Self-Locking
Mating Alignment  PCB Mount Alignment  Without  Polarization Code  Normal  Mating Alignment Type  Keyed  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Insert Clocking  Dimensions	PCB Mount Retention	Without
PCB Mount Alignment Without  Polarization Code Normal  Mating Alignment Type Keyed  Mating Retention With  Housing Features  Circular Connector Shell Size 6  Alignment Keyed Insert Clocking  Dimensions	Panel Mount Feature Type	Flange
Polarization Code  Mating Alignment Type  Keyed  Mating Retention  With  Housing Features  Circular Connector Shell Size  Alignment Keyed  Insert Clocking  Dimensions	Mating Alignment	With
Mating Alignment Type Keyed  Mating Retention With  Housing Features  Circular Connector Shell Size 6  Alignment Keyed Insert Clocking  Dimensions	PCB Mount Alignment	Without
Mating Retention  With  Housing Features  Circular Connector Shell Size 6  Alignment Keyed Insert Clocking  Dimensions	Polarization Code	Normal
Housing Features  Circular Connector Shell Size 6  Alignment Keyed Insert Clocking  Dimensions	Mating Alignment Type	Keyed
Circular Connector Shell Size 6  Alignment Keyed Insert Clocking  Dimensions	Mating Retention	With
Alignment Keyed  Dimensions  Insert Clocking	Housing Features	
Dimensions	Circular Connector Shell Size	6
	Alignment Keyed	Insert Clocking
Compatible Insulation Diameter Range 132 mm[ 03 054 in]	Dimensions	
T.52 HIII[.05054 III]	Compatible Insulation Diameter Range	1.32 mm[.03 – .054 in]



Assembly Length	25.2 mm[.99 in]
Wire Size	22 – 24 AWG
Usage Conditions	
IP Dust Sealing Level	5
Fluid Resistance	Immersion
Operating Temperature Range	-20 - 80 °C[-4 - 176 °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

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# **Product Compliance**

Position Locations Omitted

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
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 2025 (247) SVHC > Threshold: Cd (.2% in 74019111) Dodecamethylcyclohexasiloxane (D6) (.5% in 27519855164) Decamethylcyclopentasiloxane (D5) (.5% in M-16513-1) Pb (.12% in 74019111) Octamethylcyclotetrasiloxane (D4) (.5% in 27519830206) Article Safe Usage Statements:



Use personal protective equipment as required. 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

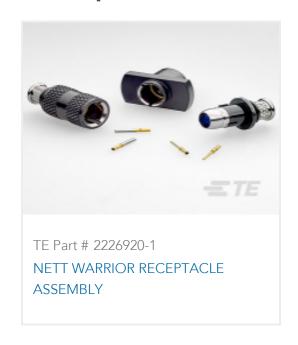
Solder Process Capability

Not applicable for solder process capability

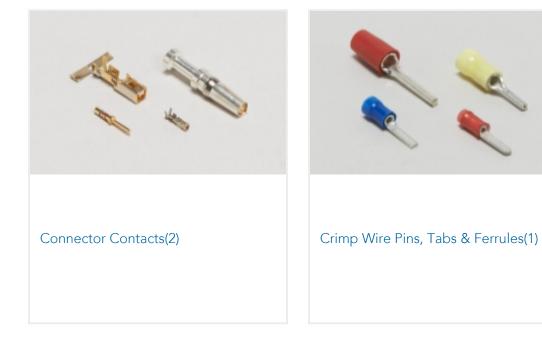
Product Compliance Disclaimer

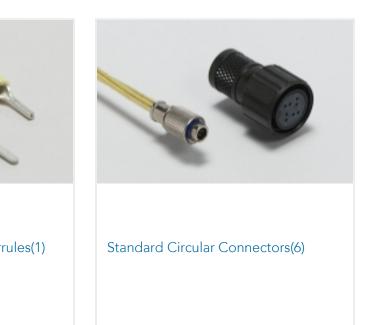
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

# Compatible Parts



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





# **Customers Also Bought**





TE Part #CAT-D487-H342
DEUTSCH DT Headers



TE Part #2226913-2 CONTACT, PIN, CRIMPED, SIZE 23, GND



TE Part #2226920-2
NETT WARRIOR RECEPTACLE



CONTACT, SOCKET, HOODED,

CRIMP, SIZE23

TE Part #Y72538-17-35DNV004 HERM RECP TE Part #Y72538-17-35DAV004 HERM RECP

#### **Documents**

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2226910-2\_S.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2226910-2\_S.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2226910-2\_S.3d\_stp.zip

English

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

# **Product Specifications**

**Product Specification** 

English

**Instruction Sheets** 

Instruction Sheet (U.S.)

English