



TE Internal #: 2201855-1  
 Industrial Mini I/O Connectors, Industrial Mini I/O, High Connector Contact Density, Plug, Shielded, Cat 5e, Cable-to-Cable / Cable-to-Board

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Connectors > Modular Jacks & Plugs > Industrial Mini I/O Connectors > Mini I/O Cable Conn. Piercing D1



Modular Jacks & Plugs Products: **Industrial Mini I/O**

Connector Contact Density: **High**

Modular Connector Style: **Plug**

Shielded: **Yes**

Performance Category: **Cat 5e**

[All Mini I/O Cable Conn. Piercing D1 \(5\)](#)

## Features

### Product Type Features

|                                   |                                |
|-----------------------------------|--------------------------------|
| Connector Product Type            | Connector Assembly             |
| Modular Jacks & Plugs Products    | Industrial Mini I/O            |
| Modular Connector Style           | Plug                           |
| Connector System                  | Cable-to-Board, Cable-to-Cable |
| Connector & Contact Terminates To | Wire & Cable                   |

### Configuration Features

|                            |       |
|----------------------------|-------|
| Port Matrix Configuration  | 1 x 1 |
| Number of Positions        | 8     |
| Connector Contact Density  | High  |
| Number of Loaded Positions | 8     |

### Signal Characteristics

|           |                              |
|-----------|------------------------------|
| Data Rate | 10 Mb/s, 100 Mb/s, 1000 Mb/s |
|-----------|------------------------------|

### Body Features



|                         |              |
|-------------------------|--------------|
| Shield Material         | Copper Alloy |
| Shield Plating Material | Nickel       |

### Contact Features

|                                      |              |
|--------------------------------------|--------------|
| Contact Mating Area Plating Material | Gold         |
| Contact Underplating Material        | Nickel       |
| Contact Base Material                | Copper Alloy |
| Contact Current Rating (Max)         | 1.5 A        |

### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Alignment Type   | Keyed                      |
| Mating Alignment        | With                       |
| Panel Mount Feature     | Without                    |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

### Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Color      | Black           |
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Housing Material   | Thermoplastic   |

### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 - 85 °C[-40 - 185 °F] |
|-----------------------------|---------------------------|

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
| Shielded            | Yes            |

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
| Performance Category   | Cat 5e   |

### Packaging Features

|                    |              |
|--------------------|--------------|
| Packaging Quantity | 1            |
| Packaging Method   | Blister Pack |

### Other

|                   |    |
|-------------------|----|
| Field Serviceable | No |
|-------------------|----|

## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)



|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| 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

|  |   |   |   |
|--|---|---|---|
|  <p>TE Part # CAT-IN291-M6641D<br/>Mini I/O R/A Header Type 1</p> |  <p>TE Part # 2-2205131-5<br/>CA MINI IO MINI IO TYPE I</p>           |  <p>TE Part # 2-2205133-4<br/>CA MINI IO TYPE I IND RJ45</p> |  <p>TE Part # 2271656-1<br/>VERTICAL SMT TYPE I MINI IO REC S CONN</p> |
|  <p>TE Part # 2201864-1<br/>MINI I/O REC KIT TYPE I L</p>         |  <p>TE Part # 2335143-1<br/>CABLE PLUG KIT TYPE I BLACK (L), 100pc</p> |  <p>TE Part # 2-2205133-6<br/>CA MINI IO TYPE I IND RJ45</p> |  <p>TE Part # 2229737-2<br/>MINI I/O PIERCING TYPE HAND TOOL</p>       |

### Customers Also Bought



TE Part # 66109-3  
III+ SKT, 26-24, 15AU/FL, LP



TE Part # 8-35151-2  
TERMINAL, PIDG R 12-10 1/2



TE Part # 5749232-1  
Mini DIN, 8 pos, R/A, Shield



TE Part # 2129260-2  
REC ASSY 0.6mm CHAMP DOCKING C



TE Part # 360052-1  
125 DIA CLSTR BLK



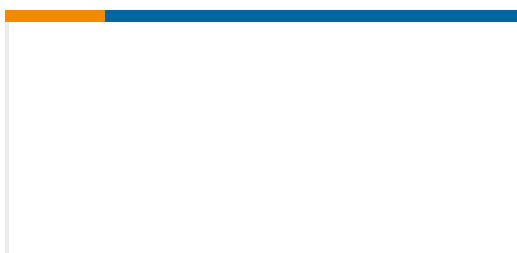
TE Part # 1971239-1  
D5200 REC CABLE CLAMP 4P(2ROW)  
KIT X-X



TE Part # 2201855-3  
MINI I/O PLUG KIT TYPE I LM MIX



TE Part # 2294415-1  
INDUSTRIAL MINI I/O HDR TYPE I  
TRAY



TE Part # 1-1768021-1  
IMC06



TE Part # 2-1103101-3  
HN.D.7.BU.C. 250 V

## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2201855-1\\_C.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2201855-1\\_C.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2201855-1\\_C.3d\\_igs.zip](#)

English

### 3D PDF

3D

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

### Datasheets & Catalog Pages

[1-1773733-2\\_MINI\\_IO\\_FIELD\\_INSTALLABLE\\_FLYER](#)

English

[1-1773733-2\\_MINI\\_IO\\_FIELD\\_INSTALLABLE\\_FLYER](#)

English



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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[UL Report](#)

English