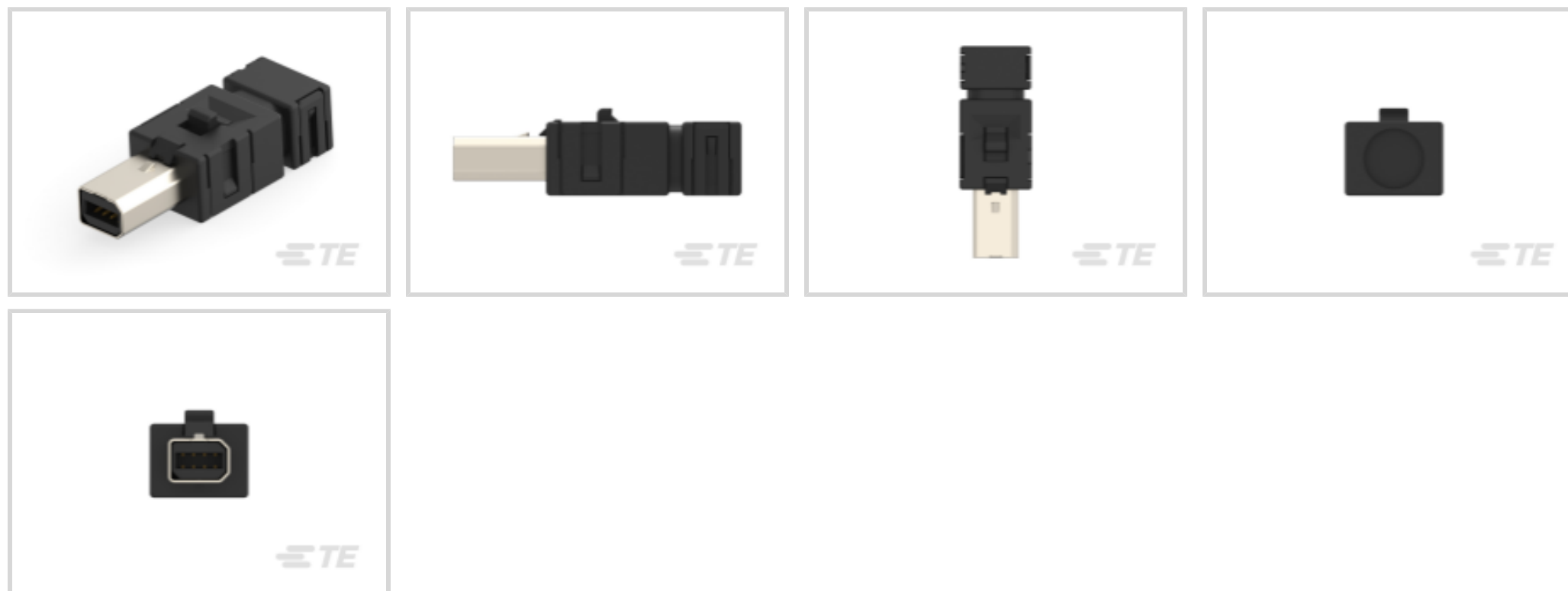




Connectors > Modular Jacks & Plugs > Industrial Mini I/O Connectors > Mini I/O Cable Conn. Piercing D1



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 |
| Connector Contact Density  | High  |
| Number of Positions        | 8     |
| 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 |
|---------------|-------|

|                  |               |
|------------------|---------------|
| Housing Material | Thermoplastic |
|------------------|---------------|

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 1.27 mm [.05 in] |
|--------------------|------------------|

### Usage Conditions

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

### Operation/Application

|          |     |
|----------|-----|
| Shielded | Yes |
|----------|-----|

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

|                      |        |
|----------------------|--------|
| Performance Category | Cat 5e |
|----------------------|--------|

### Packaging Features

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

|                  |              |
|------------------|--------------|
| Packaging Method | Blister Pack |
|------------------|--------------|

### Other

|                               |        |
|-------------------------------|--------|
| Modular Jacks & Plugs Comment | Type 1 |
|-------------------------------|--------|

|                   |    |
|-------------------|----|
| 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: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<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-M6641K<br/>Mini I/O Receptacle Kit Type 1 Piercing</p> |  <p>TE Part # 2335143-3<br/>MINI I/O PLUG KIT TYPE I LM MIX, (100pc)</p> |  <p>TE Part # 2229737-2<br/>MINI I/O PIERCING TYPE HAND TOOL</p> |
|---|---|---|

## Customers Also Bought



TE Part #182641-1  
17-14 CPC SQ FLANGE RECPT RS



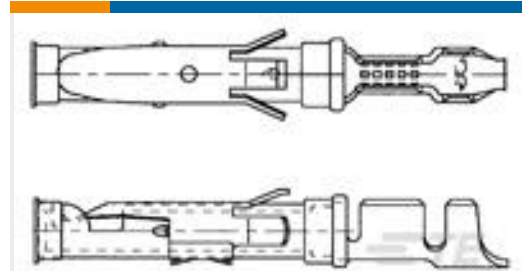
TE Part #202237-7  
III+SOC,SOLTAB,30AU>10,LP,SN



TE Part #281839-5  
HOUSING HE13 HE14 COSI 2X5 P



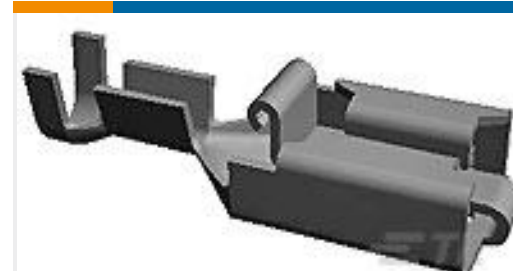
TE Part #1-175216-2  
DYNAMIC D-3 REC CONT. S AU 0.38 L /P



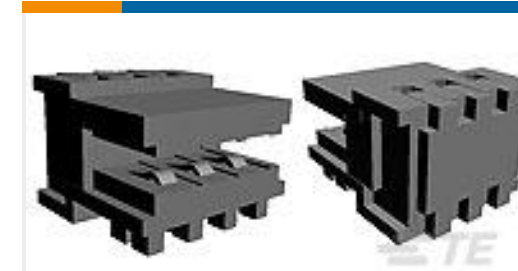
TE Part #163088-2  
LOOSE PC SOCKET TYPEIII+ CONTACT SIZE16



TE Part #2-1534127-1  
AMP MCP 2.8 SOCKET HSG.,21POS. ASSY



TE Part #160773-3  
PL LP RECEPTACLE 0.5-1.5 MM2 TPBR



TE Part #3-829868-3  
16X 3P FEDERLEI 2,5



TE Part #1-2322421-6  
M12 A-M-8 CAB ASS (PLG-PLG) 8.5 M CAT 7



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

## Documents

### CAD Files

#### Customer View Model

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

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2201855-3\\_C.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2201855-3\\_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