



TE Internal #: 2069250-1

Industrial Mini I/O Connectors, Industrial Mini I/O, High Connector Contact Density, Plug, Shielded, Cat 5e, Cable-to-Board / Cable-to-Cable

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Connectors > Modular Jacks & Plugs > Industrial Mini I/O Connectors > Mini I/O Cable Plug Type 1 Solder



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 Plug Type 1 Solder \(6\)](#)

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
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Body Features



Shield Material	Copper Alloy
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Shield Plating Material	Nickel
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Contact Features

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

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

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

Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]
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Operation/Application

Shielded	Yes
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Circuit Application	Power & Signal
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Industry Standards

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

Packaging Method	Blister Pack
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Other

Modular Jacks & Plugs Comment	Type 1
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Field Serviceable	No
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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) Candidate List Declared Against: JUNE 2023 (235) 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



TE Part # 2201864-1
MINI I/O REC KIT TYPE I L



TE Part # CAT-IN291-M6641J
Mini I/O Cable Plug Type 1 Solder Bulk

TE Part # 1891771-2
DIES KIT SHELL

TE Part # 2298501-1
ETHERLINE FD P CAT 5E BLACK 4P 26AWG

Customers Also Bought



TE Part #521766-1
250 HSG. PL MKIII REC. 10mm 2P NAT



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2069250-1_A_c-2069250-1-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2069250-1_A_c-2069250-1-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2069250-1_A_c-2069250-1-a.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English