

2271656-1 ✓ ACTIVE

TE Internal #: 2271656-1

Industrial Mini I/O Connectors, Port Matrix Configuration 1 x 1,
Industrial Mini I/O, High Connector Contact Density, Jack,
Shielded, Cat 5e

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Connectors > Modular Jacks & Plugs > Industrial Mini I/O Connectors > Mini I/O Straight Header Type 1



Port Matrix Configuration: **1 x 1**

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

Connector Contact Density: **High**

Modular Connector Style: **Jack**

Shielded: **Yes**

[All Mini I/O Straight Header Type 1 \(2\)](#)

Features

Product Type Features

Connectors & Connector Components Type	Connector
Panel Stops	Without
Modular Jack & Plug Interface Type	Industrial Mini I/O
Connector Product Type	Connector Assembly
Modular Jacks & Plugs Products	Industrial Mini I/O
Modular Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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



PCB Mount Orientation	Vertical
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Number of Loaded Positions	8
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Status Indicator Type	None
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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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Connector Profile	Standard
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Shield Plating Material	Tin over 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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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Contact Current Rating (Max)	1.5 A
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Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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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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PCB Mount Retention Type	SMT + Through Hole
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Connector Mounting Type	Board Mount
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Housing Features

Housing Color	Black
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Mating Entry Location	Top
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Housing Material	LCP
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Centerline (Pitch)	1.27 mm [.05 in]
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Dimensions

Connector Height	14.45 mm
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PCB Thickness (Recommended)	1.6 mm
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Usage Conditions



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

Shielded	Yes
Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	70
Packaging Method	Box & Tray, Tray

Other

Comment	Type 1
Field Installable	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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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



TE Part # CAT-IN291-M6641
Mini I/O Cable Conn. Piercing D1



TE Part # 1971153-1
CONN ASSY INDUSTRIAL MINI I/O



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



TE Part # CAT-IN291-M6641M
Mini I/O Field Installable Type 1



TE Part # 2229737-1
MINI I/O PIERCING TYPE HAND TOOL



TE Part # 1-2350304-1
MINI IO CONN Cat5e FI 2x2 AWG24 /26 T I



TE Part # 1-2350323-1
MINI IO CONN Cat5e FI 2x2 AWG22 T I



TE Part # 2350304-1
MINI IO CONN Cat5e FI 2x2 AWG24 /26 T I



TE Part # 2350323-1
MINI IO CONN Cat5e FI 2x2 AWG22 T I



TE Part # 2350310-1
MINI IO CONN Cat6A FI 4x2 AWG24 /26 T I



TE Part # 1-2350310-1
MINI IO CONN Cat6A FI 4x2 AWG24 /26 T I



TE Part # 2325716-1
CA MINI IO MINI IO TYPE I



TE Part # 2371136-1
CONN ASSY INDUSTRIAL MINI I/O



TE Part # 2371136-2
CONN ASSY INDUSTRIAL MINI I/O J-CONN.

Customers Also Bought



Documents

Product Drawings

VERTICAL SMT TYPE I MINI IO REC S CONN

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2271656-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2271656-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2271656-1_A.3d_stp.zip](#)

English

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Product Specifications

Product Specification

English

Product Environmental Compliance

[MD_2271656-1_04082016218_dmtec](#)

English

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