

2271656-1 ✓ ACTIVE

TE Internal #: 2271656-1

Industrial Mini I/O Connectors, Industrial Mini I/O, High Connector Contact Density, Jack, Shielded, Cat 5e, Cable-to-Board, Vertical, Top Entry, LCP

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



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

Connector Contact Density: **High**

Modular Connector Style: **Jack**

Shielded: **Yes**

Performance Category: **Cat 5e**

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

Features

Product Type Features

Connector Product Type	Connector Assembly
Modular Jacks & Plugs Products	Industrial Mini I/O
Modular Connector Style	Jack
Connector System	Cable-to-Board
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
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
Shield Plating Material	Tin over 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

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature	Without
PCB Mount Retention Type	SMT + Through Hole
Connector Mounting Type	Board Mount

Housing Features

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

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-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

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) Candidate List Declared Against: JUNE 2023 (235) 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

 <p>TE Part # CAT-IN291-M6641 Mini I/O Cable Conn. Piercing D1</p>	 <p>TE Part # CAT-IN291-M6641M Mini I/O Field Installable Type 1</p>	 <p>TE Part # 1971153-1 CONN ASSY INDUSTRIAL MINI I/O</p>	 <p>TE Part # 2350323-1 MINI IO CONN Cat5e FI 2x2 AWG22 T</p>
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TE Part # 2201864-1
MINI I/O REC KIT TYPE I L



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



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



TE Part # 2229737-2
MINI I/O PIERCING TYPE HAND TOOL



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



TE Part # 2371136-1
IND MINI I/O BY-PASS CONN 1 PC PKG



TE Part # 2371136-2
IND MINI I/O BY-PASS CONN 20 PC PKG

Customers Also Bought



TE Part # 2201855-1
MINI I/O PLUG KIT TYPE I L



TE Part # 2-1318120-3
DYNAMIC D2100 REC HSG 3P SGL Y



TE Part # 1721260-6
OJ-SS-124LMH2



TE Part # 2-2205131-1
CA MINI IO MINI IO TYPE I



TE Part # 1-770166-0
02P MINI-UMNL ASSY VO SNNI*



TE Part # 292230-4
1.5 MINI CT SGL V SMT W/BOSS 4



TE Part # 5-2301995-4
RJ45 JACK INT.MAG. 1GB LED 1X1 VERT.



TE Part # 2-2176326-3
CRGP 0603 680R 1%



TE Part #9-2176305-4
RP 1E 0.1W 1K0 0.1% 25PPM 5K RL



TE Part #474818-E
SRCP 1,27 8 M 1-KS SMD 137 E1 094 *
GU-H

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

Application Specification

English

Product Environmental Compliance

[MD_2271656-1_04082016218_dmtec](#)

English

[MD_2271656-1_04082016218_dmtec](#)

English