

2271656-1 ✓ ACTIVE

TE Internal #: 2271656-1

Industrial Mini I/O, Jack, Shielded, Cat 5e, Cable-to-Board, Vertical,
Top Entry, LCP, Printed Circuit Board, Industrial Mini I/O
Connectors

[View on TE.com >](#)



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

Number of Positions	8
Port Matrix Configuration	1 x 1
Connector Contact Density	High
PCB Mount Orientation	Vertical
Number of Loaded Positions	8

Signal Characteristics

Data Rate	.01 Gb/s, .1 Gb/s, 1 Gb/s
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Body Features

Shield Material	Copper Alloy
Shield Plating Material	Tin over Nickel

Contact Features

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

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

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

Housing Features

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

Usage Conditions

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

Circuit Application	Power & Signal
Shielded	Yes

Industry Standards

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

Packaging Features

Packaging Quantity	70
Packaging Method	Box & Tray, Tray



Other

Field Serviceable	No
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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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # CAT-IN291-M6641M
Mini I/O Field Installable Type 1



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



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




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



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



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



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



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



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



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



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



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



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

Customers Also Bought



TE Part #CAT-D799-H342
DEUTSCH DRC Headers



TE Part #FTRA6171M5PW-001
OMNI,Ph,PMT,617-7125MHz



TE Part #DTP10-4P
HDR, 4P, BLK, ST, SN/NI/CU



TE Part #61018-1
.058 PCB PIN PTPPHBZ



TE Part #178305-3
DYNAMIC D3100D HDR H 10P ASSY AU076



TE Part #5-520263-2
ULTRA-FAST 250 ASY REC 22-18 AWG TPBR



TE Part #1241050-7
2x7P MOD II BREAK AWAY HDR,SMD, BLISTER



TE Part #2-1879338-9
CPF 0603 52K3 1% 50PPM 1K RL



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