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

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

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

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
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]

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

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 1971153-1
CONN ASSY INDUSTRIAL MINI I/O



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



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



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



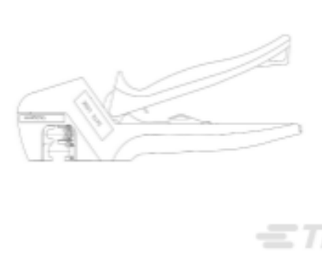
TE Part # 1-2350310-1
MINI IO CONN Cat6A FI 4x2 AWG24 /26 T I



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

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

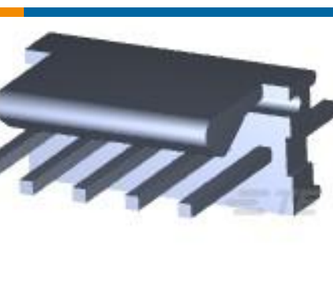


TE Part # 2371136-1
IND MINI I/O BY-PASS CONN 1 PC PKG

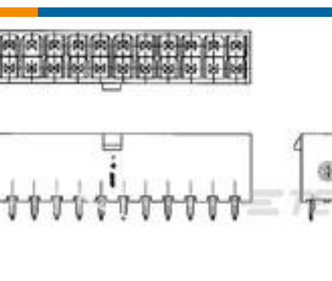


TE Part # 2371136-2
IND MINI I/O BY-PASS CONN 20 PC PKG

Customers Also Bought



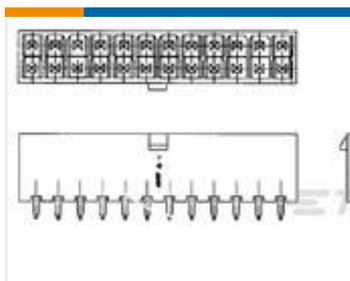
TE Part # 3-641215-5
05P MTA100 HDR ASSY FL 30AU LF



TE Part # 1586037-6
6P VERT HDR VAL-U-LOK V2



TE Part # 2-520411-2
ULTRA-FAST 187 ASY REC 22-18 TPBR



TE Part # 1586037-4
4P VERT HDR VAL-U-LOK V2



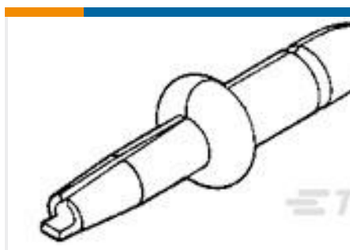
TE Part # 3-794630-6
06P MICRO MNL ASSY VRT HDR LF



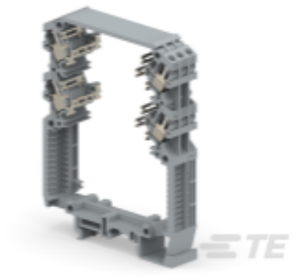
TE Part # ZPF000000000105055
DMC-MD 24 C-K



TE Part # ZPF000000000110281
732-8255-22



TE Part # 61018-1
.058 PCB PIN PTPPHBZ



TE Part # 1SNA116522R0700
BFU2.S12.G

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

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Product Specifications

Application Specification

English