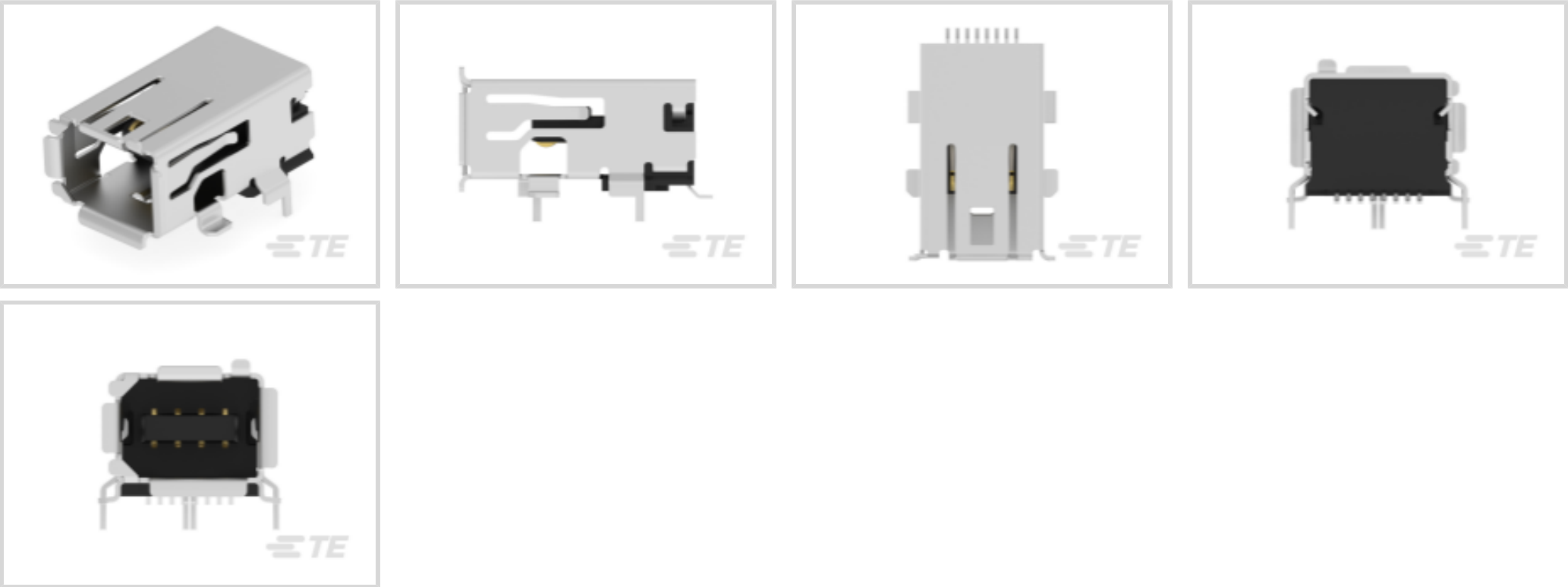




TE Internal #: 2294417-1
Industrial Mini I/O, Jack, Shielded, Cat 6A, Cable-to-Board, Right Angle, Side Entry, LCP, Printed Circuit Board, Industrial Mini I/O Connectors
[View on TE.com >](#)

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



Modular Jacks & Plugs Products: **Industrial Mini I/O**
Connector Contact Density: **High**
Modular Connector Style: **Jack**
Shielded: **Yes**
Performance Category: **Cat 6A**

[All Mini I/O R/A 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	Right Angle
Number of Loaded Positions	8

Signal Characteristics

Data Rate	10 Mb/s, 100 Mb/s, 1000 Mb/s, 10000 Mb/s
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Body Features

Shield Material	Stainless Steel
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	Side
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 6A

Packaging Features

Packaging Method	Tape & Reel
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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 # 2354299-8
MINI IO TYPE I DOUBLE END ASSY
0.25M



TE Part # 2354299-3
MINI IO TYPE I DOUBLE END ASSY
0.15M



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 # 2013595-2
INDUSTRIAL MINI I/O PLUG KIT D1-WHITE L



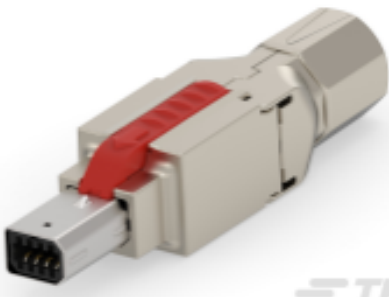
TE Part # 2229737-2
MINI I/O PIERCING TYPE HAND TOOL



TE Part # 2354299-9
MINI I/O TYPE I DOUBLE END ASSY 0.35M



TE Part # 1-2201855-2
MINI I/O PLUG KIT TYPE II M



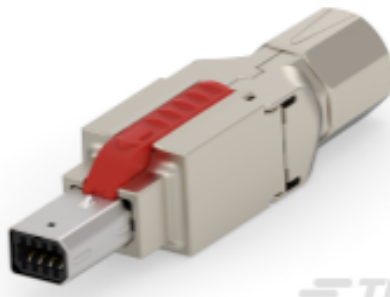
TE Part # 2350304-1
MINI I/O CONN Cat5e FI 2x2 AWG24 /26 T I



TE Part # 2354299-7
MINI I/O TYPE I DOUBLE END ASSY 20.0M



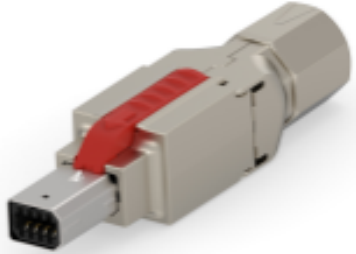
TE Part # 1-2354299-0
MINI I/O TYPE I DOUBLE END ASSY 25M



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



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



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

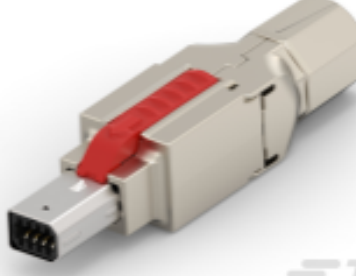
TE Part # 1891771-2
DIES KIT SHELL



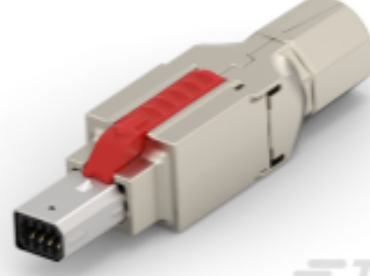
TE Part # CAT-IN291-M6641J
Mini I/O Cable Plug Type 1 Solder Bulk



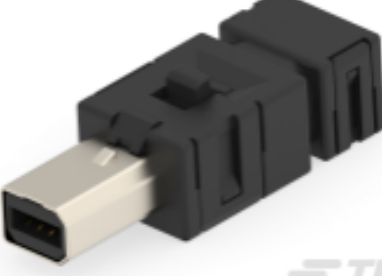
TE Part # 2354299-6
MINI I/O TYPE I DOUBLE END ASSY 10.0M



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

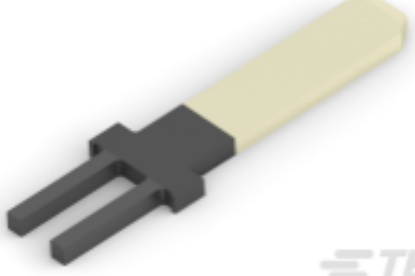


TE Part # 2350323-1
MINI I/O CONN Cat5e FI 2x2 AWG22 T I

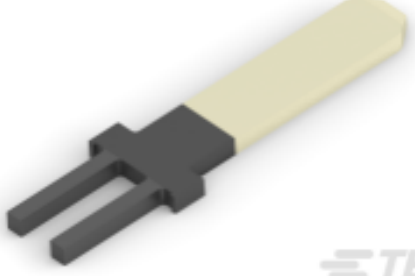


TE Part # 2201855-1
MINI I/O PLUG KIT TYPE I L

Customers Also Bought



TE Part #2334532-7
MBPLUS R/A HEADER 4P + 40S



TE Part #2-1801696-1
TAB 2.3X0.64 NS WITH MULTISPING PLTD



TE Part #1903112-2
DYNAMIC D1000 TAB CONT AU 0.38 um M REEL



TE Part #770835-1
MINI UMNL PIN SN

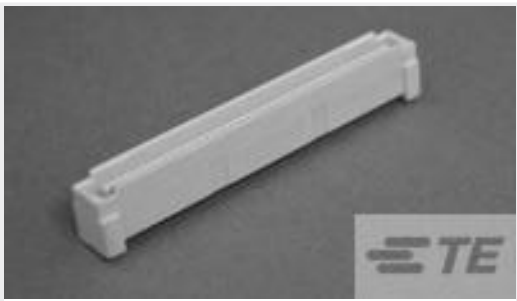




TE Part #2151233-1
[OCEAN_2.0_Applicator-S-042F062F-RSM](#)



TE Part #5-6450832-9
[MBXLE R/A HEADER 5P+2HDP+4P+64S](#)



TE Part #6123001-1
[0.8FH,P08H.5,040,30/Sn,TR,SC](#)



TE Part #1-1939638-4
[DYNAMIC 1100D HDR ASSY H 28P XBLACK GOLD](#)

TE Part #40-A484-000-P00
[723 HTEC INSULATION INSERT, 5-PIN](#)

TE Part #EM3906-000
[MFT-MT2000-NO.2-5-SP](#)

Documents

Product Drawings

[INDUSTRIAL MINI I/O HDR TYPE I EMBOSS](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2294417-1_C1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2294417-1_C1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2294417-1_C1.2d_dxf.zip](#)

English

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Product Specifications

[Application Specification](#)

English