

2294417-1 ✓ ACTIVE

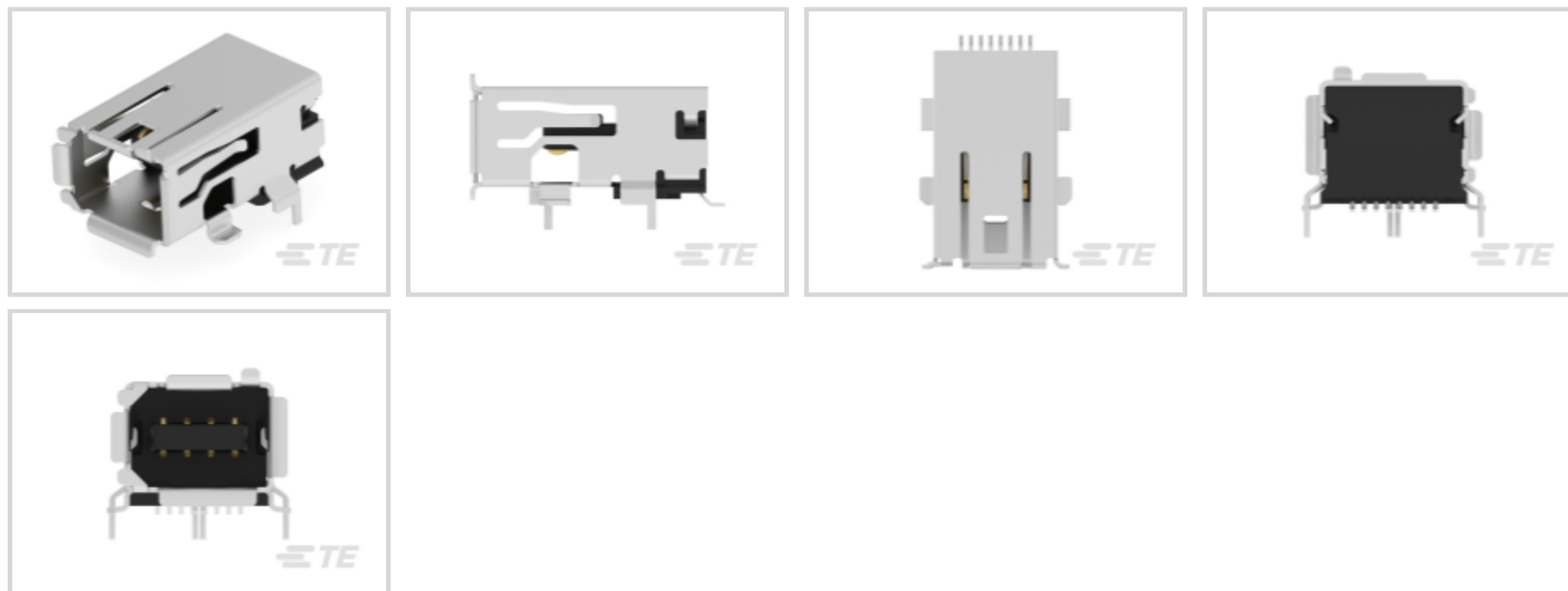
TE Internal #: 2294417-1

Industrial Mini I/O, High Connector Contact Density, Jack, Shielded, Cat 6A, Cable-to-Board, Right Angle, Side Entry, 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

Port Matrix Configuration	1 x 1
Number of Positions	8
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 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 PCB	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
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 2201855-1 MINI I/O PLUG KIT TYPE I L</p>	 <p>TE Part # CAT-IN291-M6641M Mini I/O Field Installable Type 1</p>	 <p>TE Part # 2350310-1 MINI IO CONN Cat6A FI 4x2 AWG24 /26 T I</p>	 <p>TE Part # 2350323-1 MINI IO CONN Cat5e FI 2x2 AWG22 T I</p>
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TE Part # 1-2201864-1
MINI I/O REC KIT TYPE II L



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



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



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



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 # 1891771-2
DIES KIT SHELL



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



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



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



TE Part # 2354299-8
MINI IO TYPE I DOUBLE END ASSY 0.25M



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



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

Customers Also Bought



TE Part #178308-2
DYNAMIC D-3 HDR ASSY H 20P



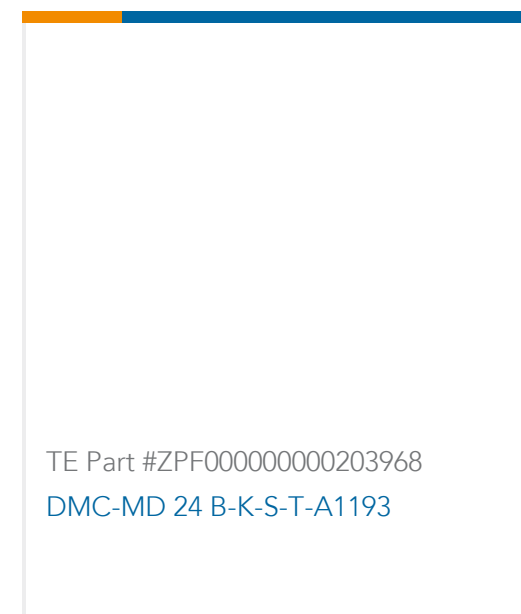
TE Part #5-104068-6
60 SYSTEM 50 HDR DRST SHRD



TE Part #211401-2
RECEPT,SZ 13-7,CPC



TE Part #7-1879215-1
CPF 0402 24K9 0.1% 25PPM 1K RL



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