



TE Internal #: 1-2379397-1  
Internal I/O Connectors, Mini Cool Edge I/O (MCIO), Cable Plug Assembly, Vertical, Cable-to-Board, SFF-TA-1016, 74 Position, Surface Mount  
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Connectors > PCB Connectors > Internal I/O Connectors



Internal I/O Connector Type: **Mini Cool Edge I/O (MCIO)**  
Connector Mates With: **Cable Plug Assembly**  
PCB Mount Orientation: **Vertical**  
Connector System: **Cable-to-Board**  
Industry Standard: **SFF-TA-1016**

Features

Product Type Features

Internal I/O Connector Type	Mini Cool Edge I/O (MCIO)
Connector Mates With	Cable Plug Assembly
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	2
PCB Mount Orientation	Vertical
Number of Positions	74

Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1.1 A



Contact Mating Area Plating Material Thickness	.381 µm[15 µin]
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Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	.6 mm[.023 in]
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Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Industry Standard	SFF-TA-1016
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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 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	Not reviewed for solder process capability

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 # 2366550-1 CA, MCIO x8 Lateral push 30AWG 0.5 m</p>	 <p>TE Part # 2366780-1 CA, MCIO x8 STR-RA push 30AWG 0.5 m</p>	 <p>TE Part # 2366550-2 CA, MCIO x8 Lateral push 30AWG 1.0 m</p>	 <p>TE Part # 2366780-2 CA, MCIO x8 STR-RA push 30AWG 1.0 m</p>
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Customers Also Bought

 <p>TE Part #206070-8 CABLE CLAMP KIT #17</p>	 <p>TE Part #DT04-2P REC, 2P, GRY, N</p>	 <p>TE Part #DT06-2S PLG, 2P, GRY, N</p>	 <p>TE Part #W2S Wedgelocks: DEUTSCH DT</p>
 <p>TE Part #0462-201-16141 DEUTSCH Solid Contacts</p>	 <p>TE Part #282104-1 AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING</p>	 <p>TE Part #281934-2 SINGLE WIRE SEAL</p>	

Documents

Product Drawings  
MCIO INTERGRATED CONN, V/T,8X, SMT TYPE  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_1-2379397-1\_1.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_1-2379397-1\_1.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2379397-1\\_1.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English