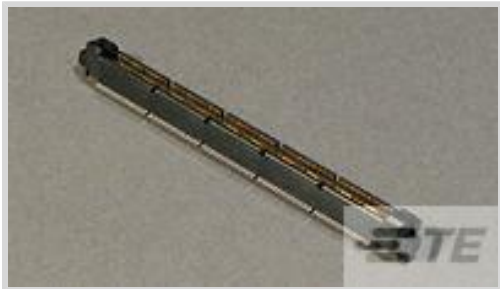




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **190**

Centerline (Pitch): **.64 mm, 24.003 mm [.945 in]**

Features

Product Type Features

Ground Component Type	Ground Bus
Series	MICTOR
PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Header Only
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	5
Number of Rows	2
Number of Columns	95
Stackable	No
Number of Signal Positions	190
PCB Mount Orientation	Vertical
Number of Positions	190
Board-to-Board Configuration	Mezzanine

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	2 MΩ
Impedance	50 Ω



Signal Characteristics	
Differential Signaling	Yes
Data Rate	10 Gb/s
Contact Features	
Contact Layout	Inline
	150 – 250 µin
Contact Configuration	Dual Beam
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold or Palladium Nickel or Performance Based
Contact Mating Area Plating Material Thickness	.12 µm[5 µin]
Contact Type	Pin
Contact Current Rating (Max)	11.5 A
Termination Features	
Termination Method to Printed Circuit Board	Hybrid Surface Mount
Mechanical Attachment	
PCB Mount Alignment Type	Locating Posts
Mating Retention	With
Mating Alignment	Without
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	.64 mm, 24.003 mm[.945 in]
Housing Color	Black
Housing Material	Liquid crystal polymer(LCP)
Dimensions	
Connector Width	5.2832 mm[.208 in]
Connector Length	76.2 mm[3 in]
Connector Height	6.5278 mm[.257 in]
Row-to-Row Spacing	5.79 mm[.227547 in]



Stack Height	6.6 mm, 15.62 mm[.615 in]
PCB Thickness (Recommended)	1.57 mm[.8 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
Agency/Standard	CSA
CSA Certified	Yes
CSA File Number	1195944
UL File Number	E28476
UL Rating	Listed

Packaging Features

Packaging Quantity	252
Packaging Method	Tape

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

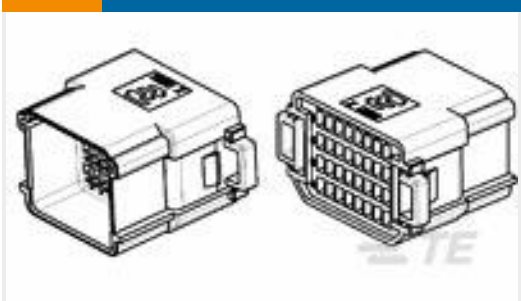


Board-to-Board Headers & Receptacles(20)

Customers Also Bought



TE Part #862545-5
LEAD, SGL END ASSY, LGH



TE Part #1981551-1
ME M D1100 24P-R REC HSG



TE Part #3-178498-1
UP 7.92 3P TAB HDR NATL TYPE 1



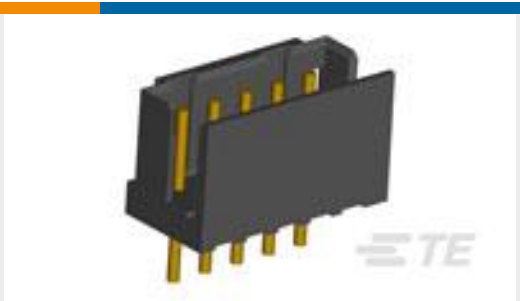
TE Part #2-1376386-3
5mm B-T-W Conn. 4P (2row) HDR A



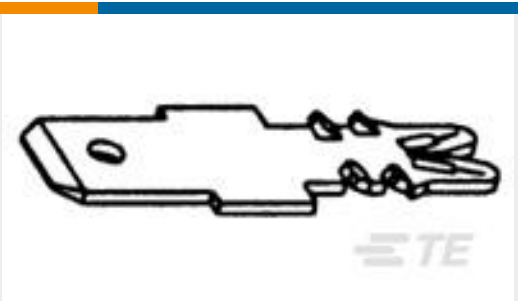
TE Part #3-1376386-4
5mm B-T-W Conn. 4P (2row) HDR A



TE Part #1-103759-1
11 MODII HDR SRRA B/A . 100CL



TE Part #1-292133-1
CT P/HDR ASSY BOX V 11P W/O KI



TE Part #2-1601020-2
131-045-002=TAB,187X020, STDSMZ





TE Part #5-103759-2
02 MODII HDR SRRA B/A.
100CL LF



TE Part #7-1393239-1
RT31K024

Documents

Product Drawings

MICT,PLG,190,ASY,.025,TAPE PKG

English

Datasheets & Catalog Pages

MICTOR Interconnection System

English

Product Specifications

Application Specification

English

Product Environmental Compliance

REACH Substance Communication Document

English