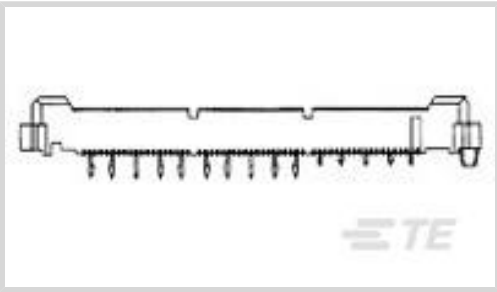




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **228**
Centerline (Pitch): **.64 mm [.025 in]**

Features

Product Type Features

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

Configuration Features

Number of Power Positions	6
Number of Columns	114
Stackable	Yes
Number of Signal Positions	228
PCB Mount Orientation	Vertical
Number of Positions	228
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	2 MΩ
Impedance	50 Ω
Operating Voltage	30 VAC

Signal Characteristics

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Differential Signaling	Yes
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Data Rate	10 Gb/s
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Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Inline
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150 – 250 µin

Contact Shape & Form	Dual Beam
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin-Lead
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Contact Base Material	Copper Alloy
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Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
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Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
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Contact Type	Pin
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Contact Current Rating (Max)	11.5 A
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Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
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Rectangular Termination Post & Tail Width	.53 mm[.021 in]
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Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
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Mating Retention	With
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Mating Alignment	Without
------------------	---------

PCB Mount Retention	With
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PCB Mount Alignment	With
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Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	.64 mm[.025 in]
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Housing Material	LCP (Liquid Crystal Polymer)
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Dimensions

Connector Length	88.9 mm[3.5 in]
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Connector Height	12.45 mm[.49 in]
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Connector Width	5.28 mm[.208 in]
Stack Height	12.57 mm, 21.6 mm[.85 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

Assembly Process Feature	None
Circuit Application	Signal

Industry Standards

UL Rating	Listed
Agency/Standard	CSA, UL
Approved Standards	CSA 1195944, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	6
Packaging Type	Box, Tube

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

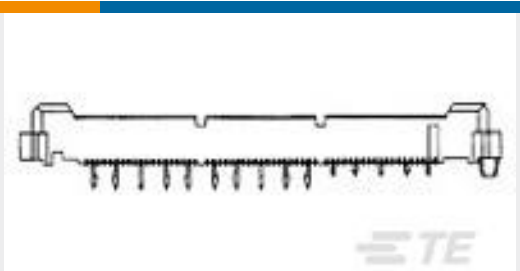
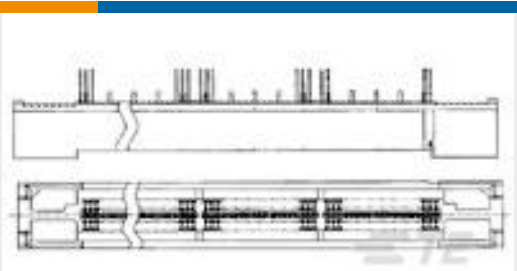
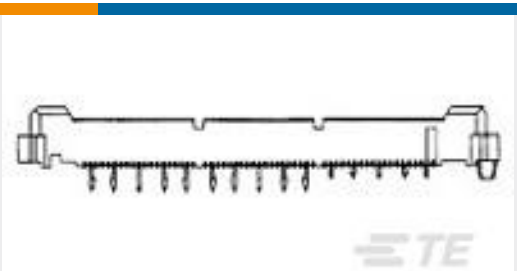
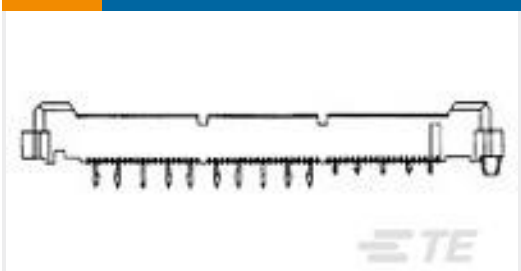
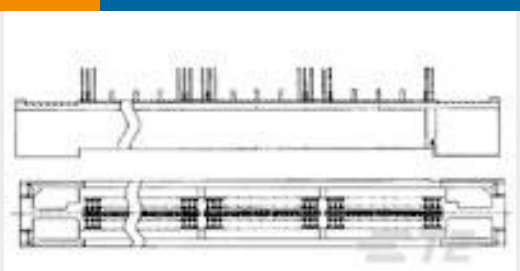
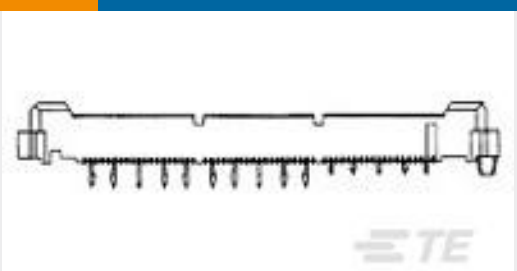
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Pb (40% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # 2-767004-7 MICT,RECPT,228,ASSY,.025,REC	 TE Part # 1-767096-3 MICT,REC,228,ASY,.025,TAPE,CAP	 TE Part # 1-767153-3 228 POS. .355 VERTICAL RECEP	 TE Part # 767044-6 MICTOR,R/A,RECPT,.062,228,ASY
 TE Part # 767054-6 MICT,RECPT,228,ASSY,PDNI	 TE Part # 767061-6 MICT,RECPT,228,ASSY,093,PDNI	 TE Part # 767081-6 MICT,REC,228,ASY,PDNI,BARBLESS	 TE Part # 767089-6 MICTOR,R/A,RECPT,.093,228,ASY
 TE Part # 767094-6 MICT,RECPT,228,ASY,PDNI,EXTD	 TE Part # 767130-6 MICT,RCPT,228,ASY,GOLD,EXTD	 TE Part # 767143-6 MICT,R/A,RCPT,228,ASY,062,30AU	 TE Part # 767154-6 228 POS. .355 VERTICAL RECEP

Documents

Product Drawings
MICT,495PLUG,228,ASSY,.025,REC

English

CAD Files
3D PDF
3D



Customer View Model

[ENG_CVM_CVM_1-767005-3_GN_c-1-767005-3-gn.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-767005-3_GN_c-1-767005-3-gn.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-767005-3_GN_c-1-767005-3-gn.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[MICTOR Interconnection System](#)

English

Product Specifications

[Application Specification](#)

English