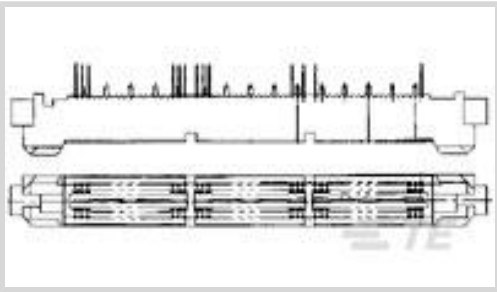




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Straddle Mount**
Connector System: **Board-to-Board**
Number of Positions: **38**
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	1
Number of Columns	19
Stackable	No
Number of Signal Positions	38
PCB Mount Orientation	Straddle Mount
Number of Positions	38
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
Data Rate	10 Gb/s

Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Inline
	150 – 250 µin
Contact Shape & Form	Dual Beam
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Type	Pin
Contact Current Rating (Max)	11.5 A

Termination Features

Square Termination Post & Tail Dimension	.2 mm[.008 in]
Termination Post & Tail Length	3.53 mm[.139 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

Mating Retention	With
Mating Alignment	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Length	25.4 mm[1 in]
Connector Height	6.38 mm[.251 in]
Connector Width	5.28 mm[.208 in]



PCB Thickness (Recommended)	1.57 mm[.8 in]
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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	21
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

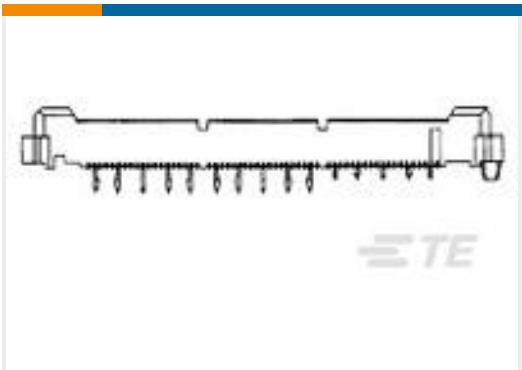
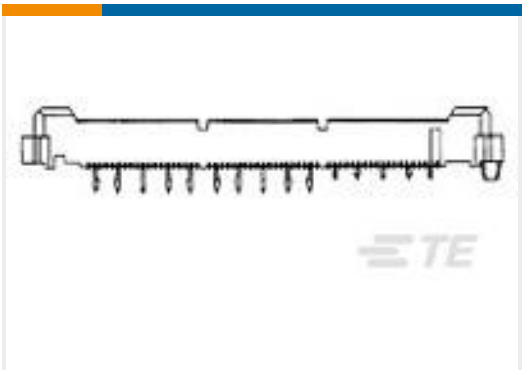
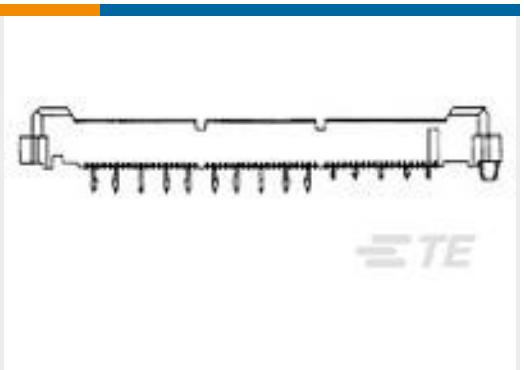
Product Compliance Disclaimer

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



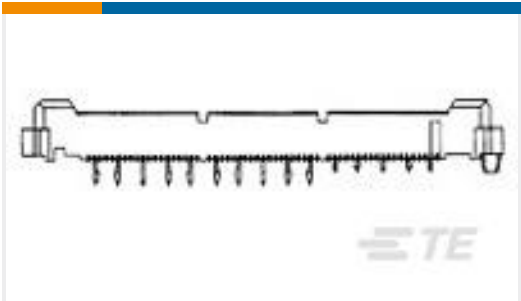
limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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

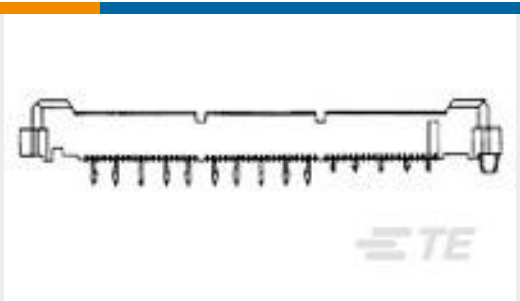
 TE Part # 2-767004-2 MICT,RECPT,038,ASSY,.025,REC	 TE Part # 767054-1 MICT,RECPT,38,ASSY,PDNI	 TE Part # 767096-8 MICT,REC,038,ASY,.025,TAPE,CAP	 TE Part # 767096-1 MICT,REC,038,ASY,.025,TAPE PKG
 TE Part # 767130-1 MICT,RCPT,038,ASY,GOLD,EXTD	 TE Part # 767044-1 MICTOR,R/A,RECPT,.062,038,ASY	 TE Part # 767061-1 MICT,RECPT,038,ASSY,093,PDNI	 TE Part # 767081-1 MICT,REC,038,ASY,PDNI,BARBLESS
 TE Part # 767089-1 MICTOR,R/A,RECPT,.093,038,ASY	 TE Part # 767094-1 MICT,RECPT,038,ASY,PDNI,EXTD	 TE Part # 767095-1 MICT,REC,EXT,038,ASY,PDNI,025	 TE Part # 767110-1 MICT,RECPT,038,ASSY,.025
 TE Part # 767114-1 MICT,REC,038,ASY,.025,TAPE,CAP	 TE Part # 767114-8 MICT,REC,038,ASY,.025,TAPE PKG	 TE Part # 767115-1 MICT,REC,038,ASY,.025 TAPE PKG	 TE Part # 767115-8 MICT,REC,038,ASY,.025 TAPE PKG



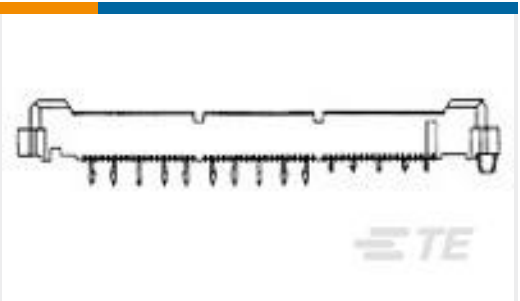
TE Part # 767143-1
MICT,R/A,RCPT,038,ASY,062,30AU



TE Part # 767146-1
TAPE AND REEL PACKAGED MICTOR



TE Part # 767146-8
TAPE AND REEL PACKAGED
RECEPTA



TE Part # 767153-8
38 POS. .355 VERTICLE RECEPTAC

Documents

Product Drawings

MICT,R/APLUG,38,ASSY,.025,.062

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_767006-1_AE.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_767006-1_AE.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_767006-1_AE.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