



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**
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 Feature Type	Ground Bus
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
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

Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	2 MΩ
Impedance	50 Ω



Operating Voltage

30 VAC

Signal Characteristics

Differential Signaling	Yes
Data Rate	10 Gb/s

Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Length	1.63 mm[.064 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.35 µm[149.9997 – 249.9995 µin]
Contact Layout	Inline
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Dual Beam
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.76 µm[29.9212 µin]
Contact Type	Socket
Contact Current Rating (Max)	11.5 A

Termination Features

Square Termination Post & Tail Dimension	.2 mm[.008 in]
Termination Post & Tail Length	3.76 mm[.148 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

Mating Entry Location	Top
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Centerline (Pitch)	.64 mm[.025 in]
Housing Material	Matte

Dimensions

Connector Length	25.4 mm[1 in]
Connector Height	6 mm[.236 in]
Connector Width	6.9 mm[.272 in]
PCB Thickness (Recommended)	2.36 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 Rating	Listed
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA 1195944, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	21
Packaging Method	Box, Tube

Product Compliance

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

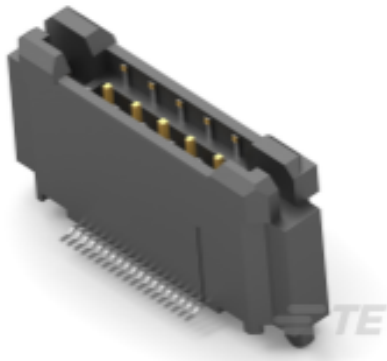
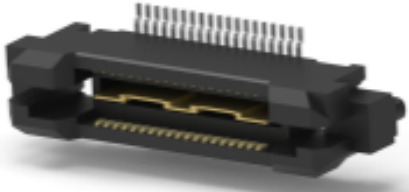
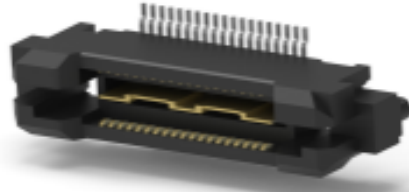
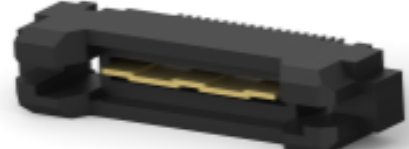
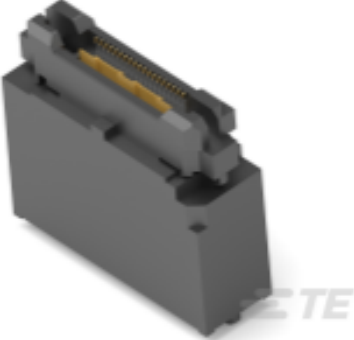
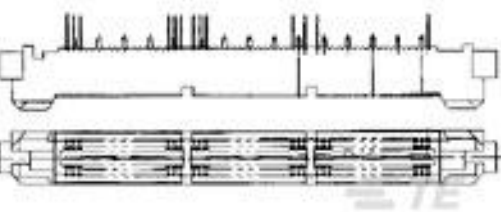
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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



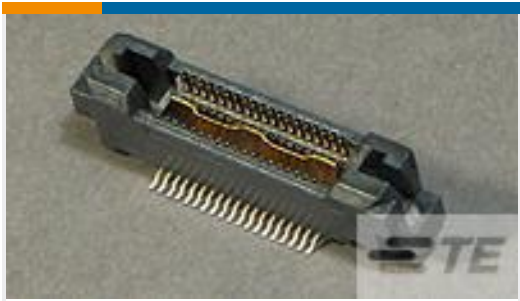
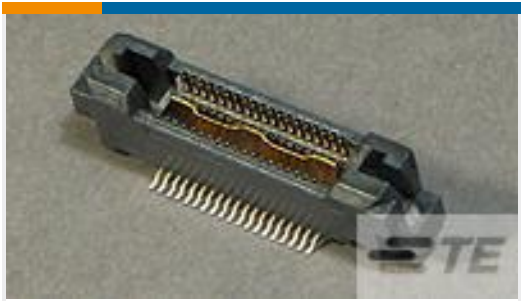
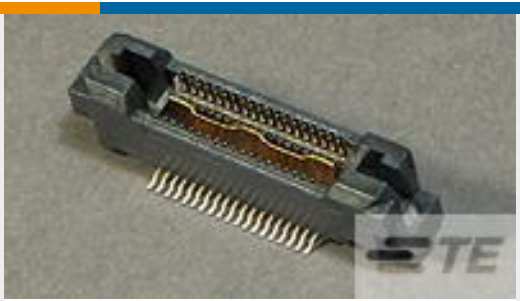
Product Compliance Disclaimer

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>

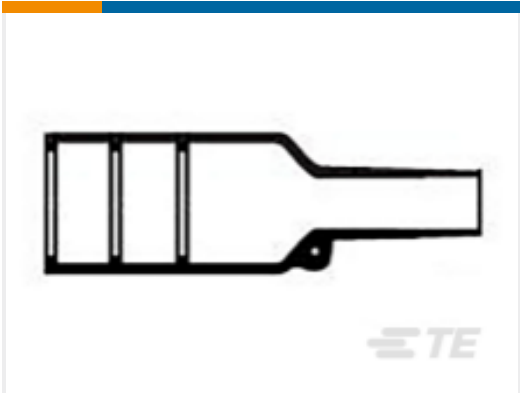
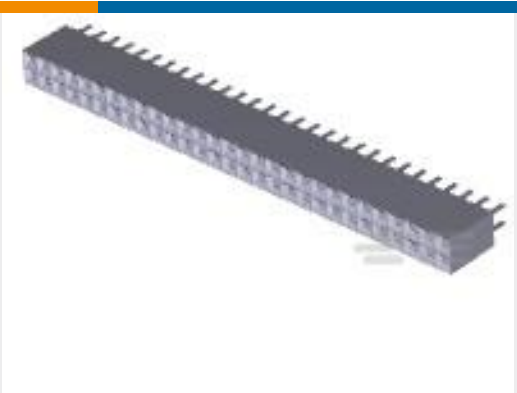
Compatible Parts

 TE Part # 5767005-8 MICT,495PLUG,038,ASSY,.025,REC	 TE Part # 5767007-8 MICT,260PLUG,38,ASSY,.025,REC	 TE Part # 5767056-1 MICT,260,PLUG,38,ASSY,PDNI	 TE Part # 5767006-1 MICT,R/APLUG,38,ASSY,.025,.062
 TE Part # 5767017-1 MICT,900PLUG,38,ASSY,.025,REC	 TE Part # 5767055-1 MICT,R/APLUG,ASSY,38,PDNI	 TE Part # 5767111-8 MICT,PLG,038,ASY,.025 TAPE CAP	 TE Part # 5767025-1 MICTOR .707 PLUG ASSY, 38 POS.
 TE Part # 5767032-1 MICT,788PLUG,38,ASSY,.025,REC	 TE Part # 5767057-1 MICT,495,PLUG,038,PDNI	 TE Part # 5767082-1 MICT,495,PLUG,038,PDNI,BARBLES	 TE Part # 5767117-1 MICT,260,PLG,038,ASY,.025,PDNI



 TE Part # 5767118-8 MICT,PLG,038,ASY,.025,TAPE PKG	 TE Part # 5767119-1 MICT,PLG,038,ASY,.025,TAPE PKG	 TE Part # 5767119-8 MICT,PLG,038,ASY,.025,TAPE PKG	 TE Part # 5767121-8 MICT,PLG,038,ASY,.025,TAPE PKG
 TE Part # 5767149-1 MICTOR PLUG ASSY IN TAPE & REE	 TE Part # 5767149-8 MICTOR PLUG ASSY IN TAPE & REE	 TE Part # 5767042-1 MICT,738PLUG,038,ASSY,.025,EXT	

Customers Also Bought

 TE Part #878495-000 Bulbous Heat Shrink Boots: Lipped, Straight	 TE Part #YDTS20F23-35AAV001 D38999: Square Flange, 23-35 insert	 TE Part #3-1617146-0 JMGACDD-26MW = M39016/19-042M	 TE Part #2-535542-9 58 MODIV VRT DR CE 100/130
 TE Part #3-794617-0 10P, MICRO MNL RCPT HSG, DBL ROW, GW V0	 TE Part #3-646574-0 EZ-PACK A/B REC ASY 125P 2MMHM	 TE Part #3-100161-0 Z-PACK/C F-HDR 55P	

Documents

Product Drawings
MICTOR,R/A,RECPT,.093,038,ASY
English

CAD Files
Customer View Model
ENG_CVM_CVM_5767089-1_B.2d_dxf.zip
English
3D PDF



3D

Customer View Model

[ENG_CVM_CVM_5767089-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5767089-1_B.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

[Fine Pitch Stacking Connectors - 0.635mm MICTOR Connectors](#)

English

Product Specifications

[Application Specification](#)

English