

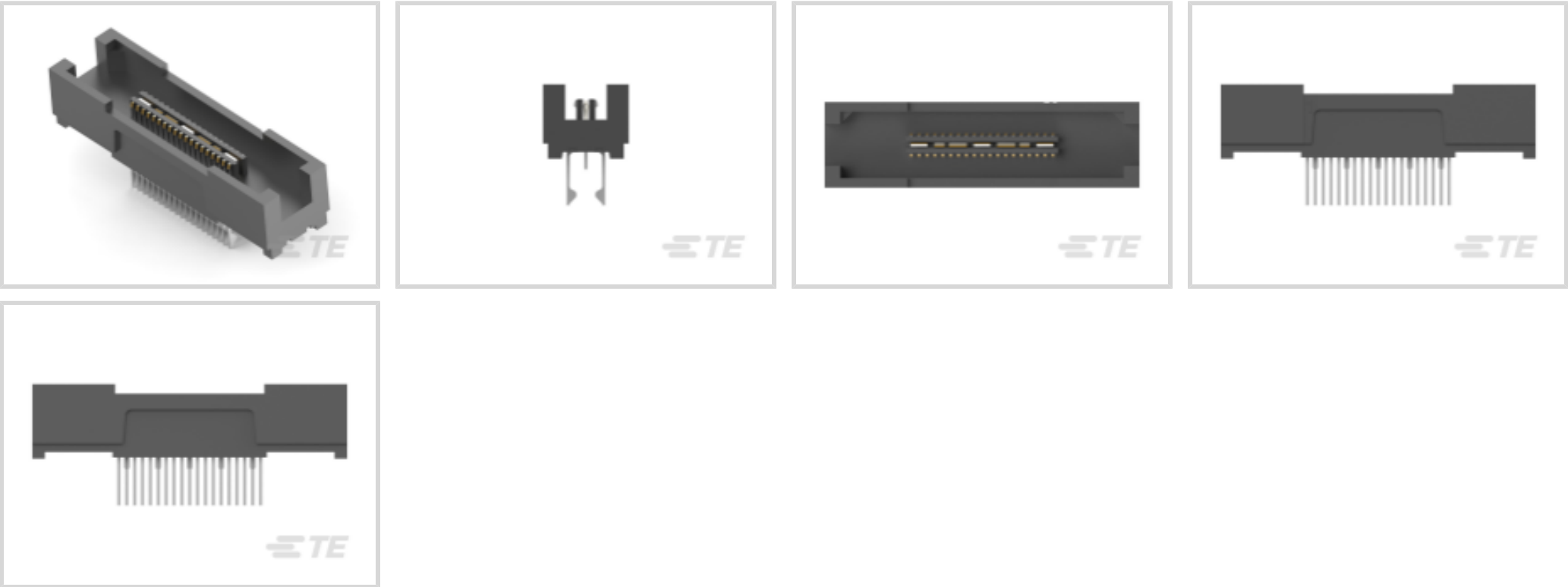


MICTOR

TE Internal #: 5767143-1
PCB Mount Receptacle, Straddle Mount, Board-to-Board, 38
Position, .64 mm [.025 in] Centerline, Fully Shrouded, Gold, Surface
Mount, Signal, Black

[View on TE.com >](#)

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

Signal Characteristics

Data Rate	10 Gb/s
Differential Signaling	Yes

Electrical Characteristics

Operating Voltage	1 VDC
Impedance	38 Ω
Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC

Dimensions

Connector Width	6.9 mm[.272 in]
Connector Height	6 mm[.236 in]
Connector Length	25.4 mm[1 in]

Packaging Features

Packaging Quantity	21
Packaging Method	Tube, Box



Industry Standards

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

Mechanical Attachment

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

Termination Features

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

Contact Features

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

Housing Features

Mating Entry Location	Top
Housing Material	Matte



Centerline (Pitch)	.64 mm[.025 in]
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Configuration Features

Number of Columns	19
Number of Signal Positions	38
Number of Power Positions	1
Board-to-Board Configuration	Parallel
Stackable	No
PCB Mount Orientation	Straddle Mount
Number of Positions	38

Product Type Features

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

Body Features

Primary Product Color	Black
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Usage Conditions

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

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241)



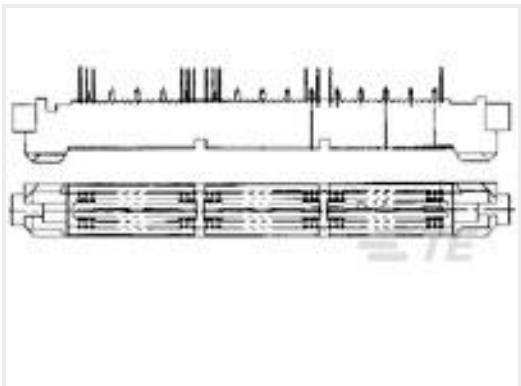
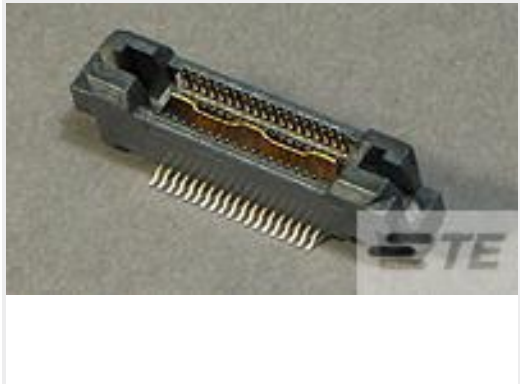
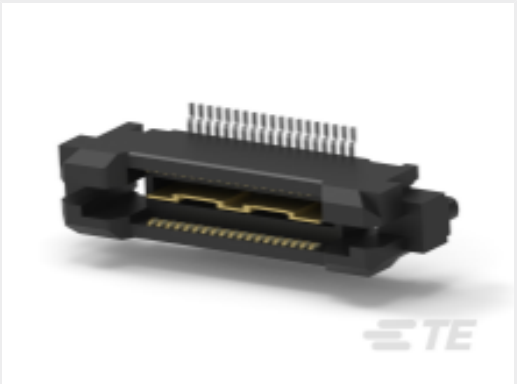
Candidate List Declared Against: JUNE 2024 (241)
Does not contain REACH SVHC

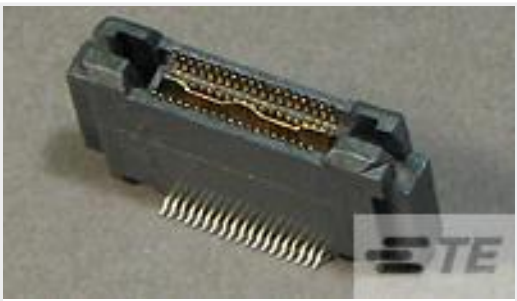
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

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

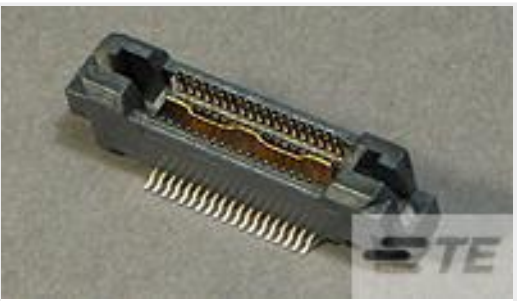
 TE Part # 5767006-1 MICT,R/APLUG,38,ASSY,.025,.062	 TE Part # 5767032-1 MICT,788PLUG,38,ASSY,.025,REC	 TE Part # 5767149-8 MICTOR PLUG ASSY IN TAPE & REE	 TE Part # 5767042-1 MICT,738PLUG,038,ASSY,.025,EXT
 TE Part # 5767119-8 MICT,PLG,038,ASY,.025,TAPE PKG	 TE Part # 5767121-8 MICT,PLG,038,ASY,.025,TAPE PKG	 TE Part # 5767111-8 MICT,PLG,038,ASY,.025 TAPE CAP	 TE Part # 5767007-8 MICT,260PLUG,38,ASSY,.025,REC



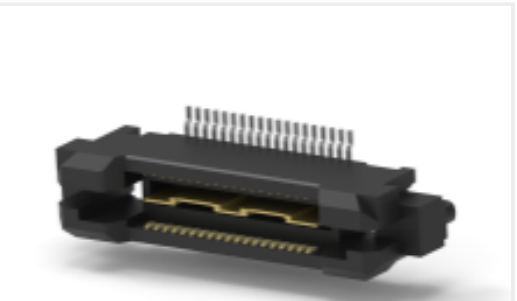
TE Part # 5767149-1
MICTOR PLUG ASSY IN TAPE & REE



TE Part # 5767025-1
MICTOR .707 PLUG ASSY, 38 POS.



TE Part # 5767117-1
MICT,260,PLG,038,ASY,.025,PDNI



TE Part # 5767056-1
MICT,260,PLUG,38,ASSY,PDNI



TE Part # 5767005-8
MICT,495PLUG,038,ASSY,.025,REC



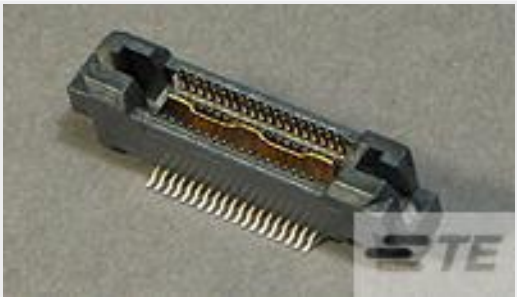
TE Part # 5767055-1
MICT,R/APLUG,ASSY,38,PDNI



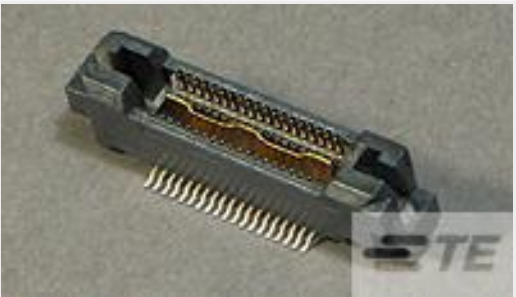
TE Part # 5767017-1
MICT,900PLUG,38,ASSY,.025,REC



TE Part # 5767057-1
MICT,495,PLUG,038,PDNI



TE Part # 5767119-1
MICT,PLG,038,ASY,.025,TAPE PKG



TE Part # 5767118-8
MICT,PLG,038,ASY,.025,TAPE PKG



TE Part # 5767082-1
MICT,495,PLUG,038,PDNI,BARBLES

Customers Also Bought



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



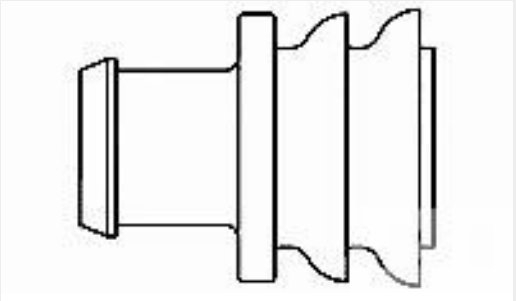
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

Documents



Product Drawings

[MICT,R/A,RCPT,038,ASY,062,30AU](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5767143-1_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5767143-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5767143-1_O.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