

MICTOR

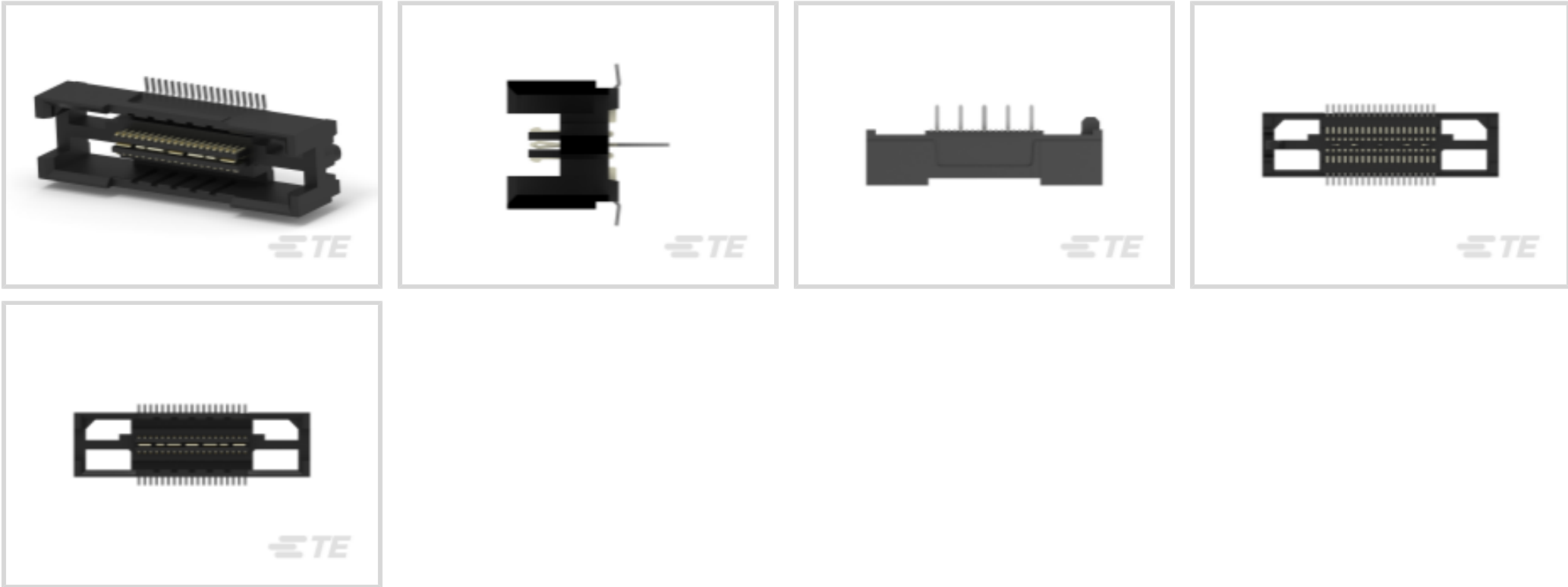
TE Internal #: 5767115-1

PCB Mount Receptacle, Vertical, Board-to-Board, 38 Position, .64 mm / 24 mm [.945 in] Centerline, Fully Shrouded, Gold Flash over Palladium Nickel

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**
EU ELV Compliance: **Compliant**
PCB Connector Assembly Type: **PCB Mount Receptacle**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 Columns	19
Number of Signal Positions	38
Number of Power Positions	1
Board-to-Board Configuration	Parallel



Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	38

Electrical Characteristics

Operating Voltage	1 VDC
Impedance	50 Ω
Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC

Signal Characteristics

Data Rate	10 Gb/s
Differential Signaling	Yes

Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 μm[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 Flash over Palladium Nickel
Contact Type	Socket
Contact Current Rating (Max)	11.5 A

Termination Features

Rectangular Termination Post & Tail Width	.53 mm[.021 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

Mating Entry Location	Top
Housing Material	Matte
Centerline (Pitch)	24 mm, .64 mm[.945 in]

Dimensions

Stack Height	9 mm, 10.92 mm, 20 mm, 6.6 mm, 17.96 mm, 12.57 mm, 22.86 mm, 18.75 mm[.9 in]
Connector Width	6.9 mm[.272 in]
PCB Thickness (Recommended)	1.57 mm[.8 in]
Connector Height	5.99 mm[.236 in]
Connector Length	25.4 mm[1 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

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

Packaging Features

Packaging Quantity	252
Packaging Method	Reel

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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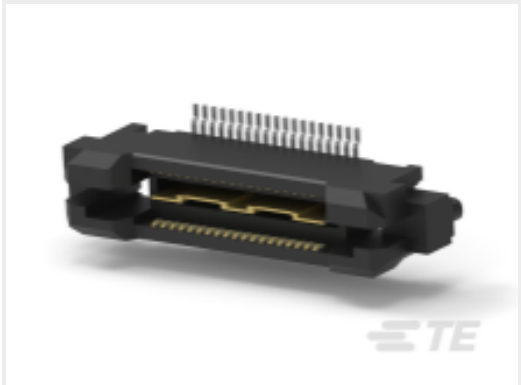
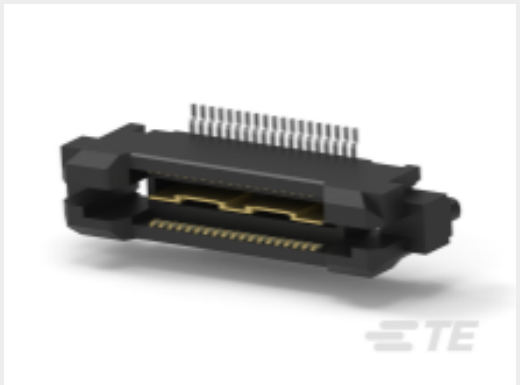
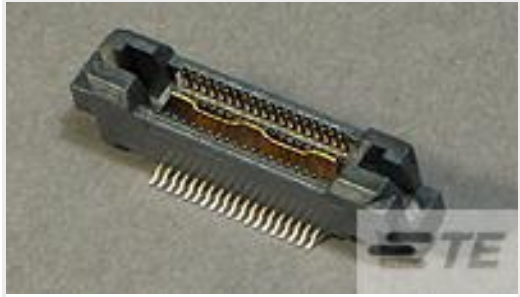
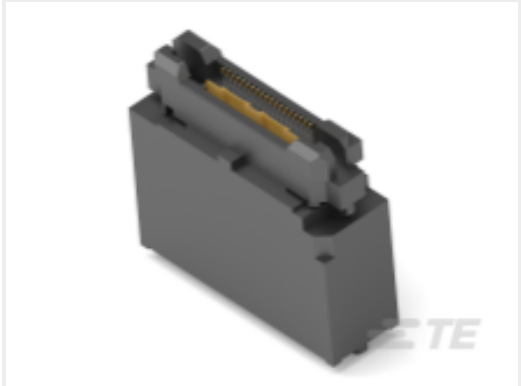


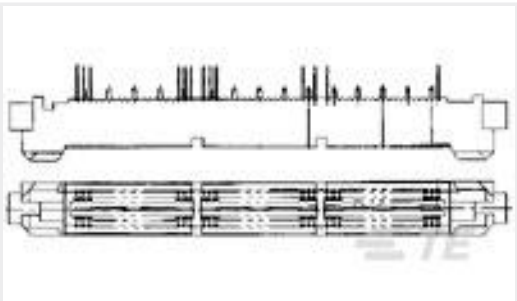
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	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

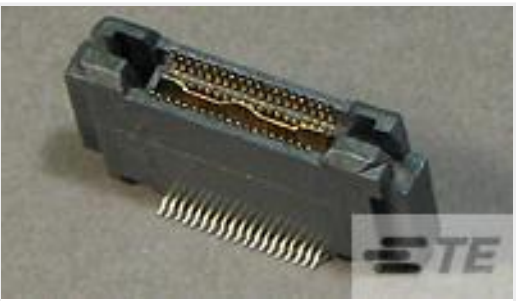
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 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 # 5767111-8 MICT,PLG,038,ASY,.025 TAPE CAP	 TE Part # 5767017-1 MICT,900PLUG,38,ASSY,.025,REC	 TE Part # 5767055-1 MICT,R/APLUG,ASSY,38,PDNI	 TE Part # 5767025-1 MICTOR .707 PLUG ASSY, 38 POS.



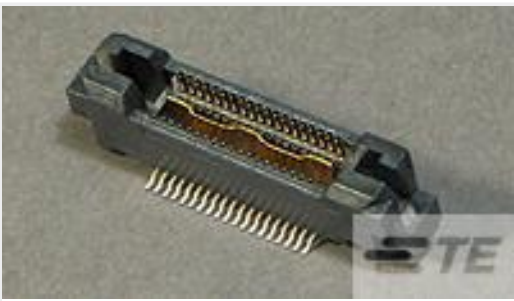
TE Part # 5767032-1
MICT,788PLUG,38,ASSY,.025,REC



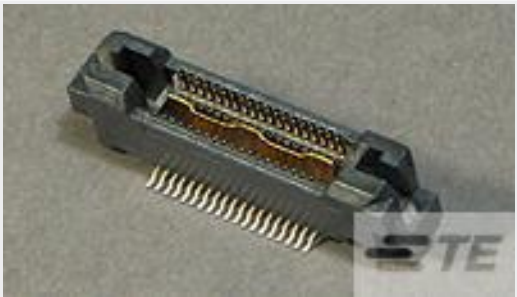
TE Part # 5767057-1
MICT,495,PLUG,038,PDNI



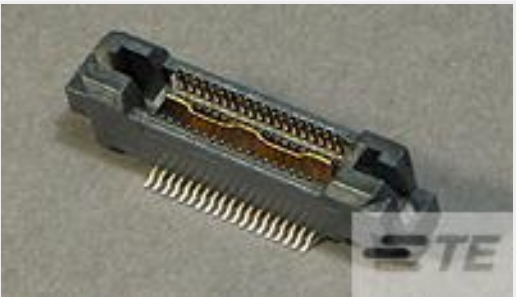
TE Part # 5767082-1
MICT,495,PLUG,038,PDNI,BARBLES



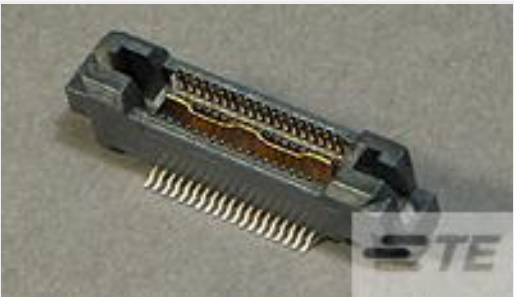
TE Part # 5767117-1
MICT,260,PLG,038,ASY,.025,PDNI



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 #178289-8
DYNAMIC D3100 REC HSG 20P



TE Part #1376357-8
Signal Header



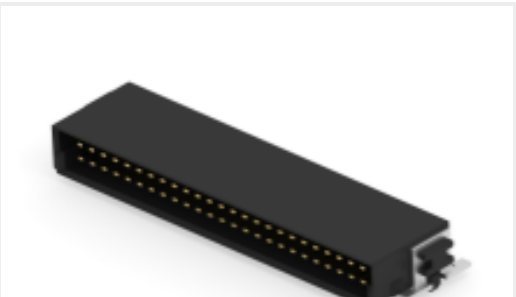
TE Part #5103308-5
A/L LOW PRO HDR 20P VERT BLACK



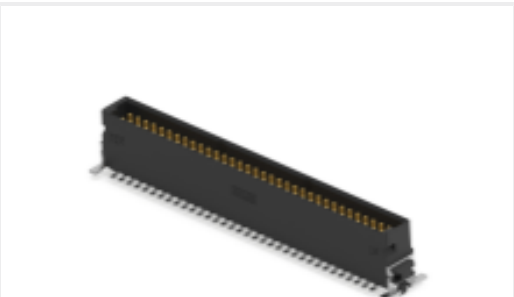
TE Part #6469028-1
HM-ZD 2PR RECP 40P



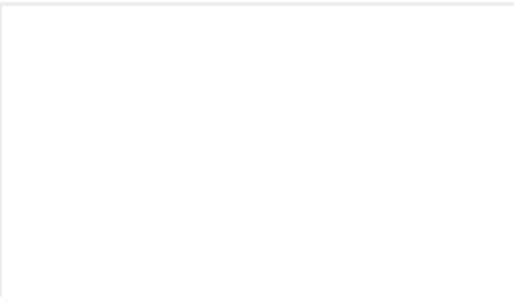
TE Part #4-1462037-4
IM04JR=IM RELAY 140mW 6V



TE Part #154765-E
SMCB 50 M AB VV 7-03 CL * 0007 137 E004



TE Part #244857-E
SMCQ 68 M AB VV 8-03 CL * H007 137 E005



TE Part #104112-E
ERMA 110 FS 1 EE * 3,70 A-E V-V * TRAY 2

Documents



Product Drawings

[MICT,REC,038,ASY,.025 TAPE PKG](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5767115-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5767115-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5767115-1_A.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 Catalog 889092](#)

English

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

English

Product Specifications

[Application Specification](#)

English