



Connectors > Pluggable IO Connectors & Cages



Pluggable I/O Product Type: **Cage Assembly**

Sealable: **No**

Circuit Application: **Signal**

Operating Temperature Range: **-55 - 105 °C [-67 - 221 °F]**

Data Rate (Max): **16 Gb/s**

## Features

### Product Type Features

Thermal Accessory Type Included	Heat Sink
Cage Type	Ganged
Pluggable I/O Product Type	Cage Assembly
Sealable	No
Form Factor	SFP+

### Configuration Features

Number of Ports	4
Port Matrix Configuration	1 x 4

### Electrical Characteristics

Data Rate (Max)	16 Gb/s
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### Body Features

Heat Sink Height	13.5 mm[.531 in]
Heat Sink Height Class	Networking Tall
Heat Sink Style	Pin

### Termination Features

Termination Post & Tail Length	2.05 mm[.081 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

### Housing Features

Cage Material	Nickel Silver
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**Dimensions**

PCB Thickness (Recommended)	2.25 mm[.089 in]
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**Usage Conditions**

Operating Temperature Range	-55 - 105 °C[-67 - 221 °F]
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**Operation/Application**

Pluggable I/O Applications	SFP+ Enhanced
Heat Sink Compatible	Yes
Circuit Application	Signal

**Packaging Features**

Packaging Method	Package
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**Other**

Included Lightpipe	No
EMI Containment Feature Type	Internal/External EMI Springs

**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	Not applicable for solder process capability

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 # 2110759-1  
PT CONN ASSY 20 POS 16G SFP



TE Part # CAT-C11-H50626  
SFP+ to SFP+ I/O Cable Assembly: 30 AWG



TE Part # CAT-C11-N490333  
QSFP28-Four SFP+ Cable Assembly: 30 AWG



TE Part # CAT-C11-N490325  
QSFP28-Four SFP+ Cable Assembly: 26 AWG



TE Part # 2334985-2  
SFP28 DIRECT ATTACH CA, 1M, 32AWG



TE Part # CAT-C11-N4901114  
SFP28 to SFP28 Cable Assembly: 30 AWG



TE Part # CAT-C11-N49011  
SFP28 to SFP28 Cable Assembly: 26 AWG



TE Part # CAT-Q17-N49011  
QSFP56-Four SFP56 Cable Assembly: 30 AWG



TE Part # CAT-Q17-N490333  
QSFP56-Four SFP56 Cable Assembly: 26 AWG



TE Part # 4-2821222-5  
SFP56 DIRECT ATTACH CA, 2M, 30AWG



TE Part # 4-2821224-5  
SFP56 DIRECT ATTACH CA, 3M, 26AWG



TE Part # 2007099-1  
SFP+ 1x4 Light Pipe Assembly



TE Part # 4-2334985-2  
SFP56 DIRECT ATTACH CA, 1M, 32AWG



TE Part # 2170068-1  
SFP+ 1x4 Light Pipe Assembly Low Profile



TE Part # CAT-C11-H5  
SFP+ to SFP+ I/O Cable Assembly: 24 AWG



TE Part # CAT-C11-H506  
SFP+ to SFP+ I/O Cable Assembly: 26 AWG




TE Part # CAT-C11-H5062  
SFP+ to SFP+ I/O Cable Assembly: 28 AWG



TE Part # 2007099-4  
SFP+ 1x4 Light Pipe Assembly



TE Part # 2185251-4  
STG TL SFP+ ENHANCED 1X4 HS LP




TE Part # 2142970-1  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M

### Customers Also Bought



TE Part # 5535034-5  
ASSY, RECEPTACLE, EUROCARD, TYPE C/2, L-FREE



TE Part # 120957-2  
UPM EXPANDED PIN ASSEMBLY



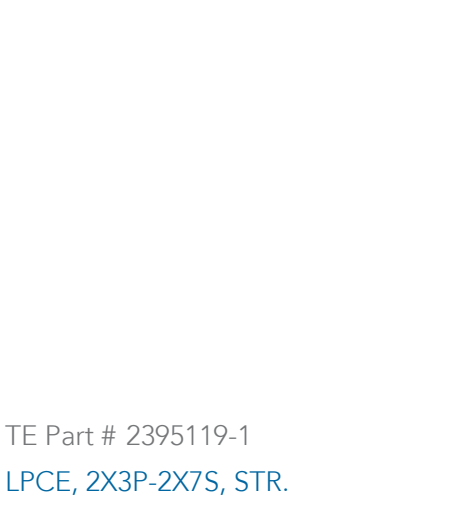
TE Part # 2328461-2  
280 POS., CONNECTOR ASSEMBLY, SLIVER 2.0



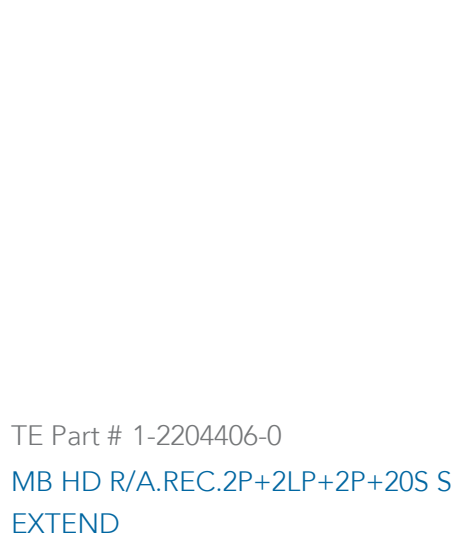
TE Part # 1-2379397-7  
MCIO INTEGRATED CONN, V/T, 8X, SMT TYPE



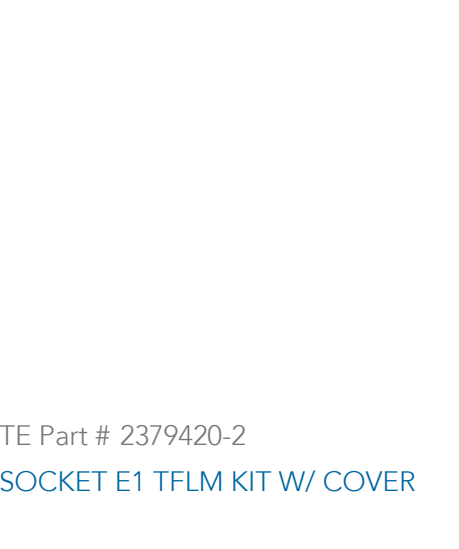
TE Part # 2198235-4  
SFP+ Enhanced 1x6, Networking Heatsink



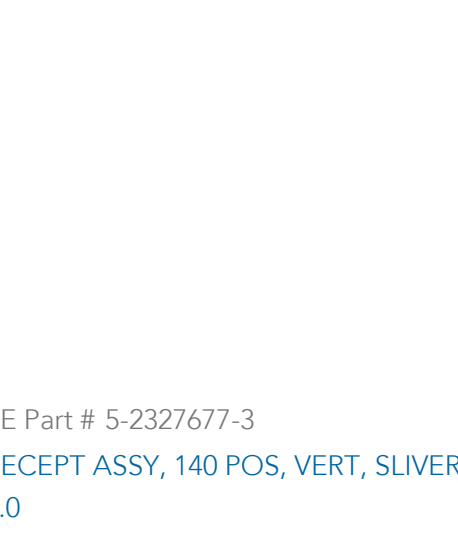
TE Part # 2395119-1  
LPCE, 2X3P-2X7S, STR.



TE Part # 1-2204406-0  
MB HD R/A. REC. 2P+2LP+2P+20S S EXTEND



TE Part # 2379420-2  
SOCKET E1 TFLM KIT W/ COVER



TE Part # 5-2327677-3  
RECEPT ASSY, 140 POS, VERT, SLIVER 2.0

### Documents

#### CAD Files

[3D PDF](#)

[3D](#)

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2149730-4\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2149730-4\\_A.3d\\_igs.zip](#)

English



### Customer View Model

[ENG\\_CVM\\_CVM\\_2149730-4\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English