



TE Internal #: 2198231-1
SFP/SFP+/zSFP+, Cage Assembly, Data Rate (Max) 16 Gb/s,
External Springs, SFP+ Enhanced, Included Lightpipe, Port Matrix
Configuration 1 x 2
[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > SFP/SFP+/zSFP+



Pluggable I/O Product Type: **Cage Assembly**
Data Rate (Max): **16 Gb/s**
EMI Containment Feature Type: **External Springs**
Pluggable I/O Applications: **SFP+ Enhanced**
Thermal Accessory Type Included: **Heat Sink**

Features

Product Type Features

Form Factor	SFP+
Cage Type	Ganged
Pluggable I/O Product Type	Cage Assembly
Thermal Accessory Type Included	Heat Sink
Integrated Lightpipes	No
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	1 x 2
Lightpipe Configuration	Dual Round
Lightpipe Style	Reduced Length
Lightpipe Profile	Standard
Number of Ports	2

Electrical Characteristics

Data Rate (Max)	16 Gb/s
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Body Features

Heat Sink Style	Pin
Heat Sink Height Class	PCI



Heat Sink Height	4.2 mm[.165 in]
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

PCB Mounting Style	Through Hole - Press-Fit
Connector Mounting Type	Board Mount

Housing Features

Cage Material	Nickel Silver
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Dimensions

Tail Length	2.05 mm[.081 in]
PCB Thickness (Recommended)	2.25 mm[.089 in]

Usage Conditions

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

Heat Sink Compatible	Yes
For Use With Pluggable I/O Products	SFP+ SMT Connector
Pluggable I/O Applications	SFP+ Enhanced
Circuit Application	Signal

Packaging Features

Packaging Method	Box & Tray, Tray
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Other

EMI Containment Feature Type	External Springs
Included Lightpipe	Yes

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	Not Yet Reviewed
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 2021 (211)



Candidate List Declared Against: JAN 2021
(211)
Does not contain REACH SVHC

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # CAT-SF59-C76264 SFP Connectors	 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 # CAT-C11-N4901142 SFP28 to SFP28 Cable Assembly: 32 AWG	 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 # CAT-C11-G28037 SFP56 to SFP56 Cable Assembly: 30 AWG	 TE Part # CAT-C11-G28 SFP56 to SFP56 Cable Assembly: 26 AWG	 TE Part # 4-2334985-2 SFP56 DIRECT ATTACH CA, 1M, 32AWG



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



TE Part # 2142970-2
CABLE ASSY, MICRO SFP+ TO STD SFP+, 1M



TE Part # 2142970-3
CABLE ASSY, MICRO SFP+ TO STD SFP+, 2M



TE Part # 2142970-4
CABLE ASSY, MICRO SFP+ TO STD SFP+, 3M



TE Part # 2142970-5
CABLE ASSY, MICRO SFP+ TO STD SFP+, 4M

Customers Also Bought



TE Part #2328118-3
LUMAWISE ENDURANCE N OPEN CAP ASSEMBLY



TE Part #2132529-3
IMP100S,H,V3P6C,LG,REW39,5.5



TE Part #1470108-6
AMP HPI 2.0MM HEADERS



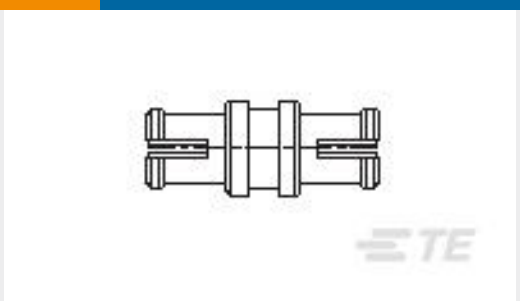
TE Part #YDTS26T23-53SNV001
D38999: Straight Plug, 23-53 Insert



TE Part #1734100-3
Champ050 series,30pos,Au over PdNi



TE Part #1734101-3
Champ050 series,30pos,Au over PdNi



TE Part #1757256-1
SMPM FEMALE BULLET ADAPTER



TE Part #1934949-1
Tinman 5pr 8col vert recpt 15mm stack



TE Part #2007808-2
IMP100S,H,V4P10C,LG,OEW46,4.9



TE Part #2110570-1
SFP+ 1x4 Cage Assembly Square Light Pipe

Documents



Product Drawings

SFP+ Enhanced 1x2, PCI Heatsink, LP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2198231-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2198231-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2198231-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English