2198233-4 ✓ ACTIVE

TE Internal #: 2198233-4

SFP, SFP+ & zSFP+, Cage Assembly, Data Rate (Max) 16 Gb/s, Internal/External EMI Springs, SFP+ Enhanced, With Lightpipe, 1 x 4, Dual Round

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: **Internal/External EMI Springs**

Pluggable I/O Applications: **SFP+ Enhanced**

Lightpipe Options: **With Lightpipe**

Features

Product Type Features

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

Configuration Features

Port Matrix Configuration	1 x 4
Lightpipe Configuration	Dual Round
Lightpipe Style	Reduced Length
Lightpipe Profile	Standard
Number of Ports	4

Electrical Characteristics

Data Rate (Max)	16 Gb/s

Body Features

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

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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

Mechanical Attachment

Connector Mounting Type	Board Mount

Housing Features

Cage Material	Nickel Silver

Dimensions

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

Usage Conditions

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

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, Package

Other

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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900

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	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 # 2110759-1

PT CONN ASSY 20 POS 16G SFP

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-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 # 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-H50626

SFP+ to SFP+ I/O Cable Assembly: 30 AWG

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

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

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

Customers Also Bought

TE Part #1888247-1
20 POS SMT CONN, SFP/SFP+, 30A

TE Part #5-102699-4
10 MODII HDR DRST SHRD A/PIN

TE Part #5-102699-7
16 MODII HDR DRST SHRD A/PIN

TE Part #829261-6
HD FEMALE SCREWLOCK

TE Part #2178410-1
CROWN CLIP JUNIOR CONN

TE Part #1982295-1
ELCON MINI 2P RA HEADER, W/CODING

TE Part #2057626-1
CFP External Bracket Assy

TE Part #2332795-1
Multibeam, Vrt Assy, VITA 62, Press

TE Part #2327906-4
KEYED GUIDE PIN , MACHINED, MULTIGIG BP

TE Part #2-1997963-3
DC POWER CABLE WCDMA

Documents

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Springs, SFP+ Enhanced, With Lightpipe, 1 x 4, Dual Round

Product Drawings

SFP+ Enhanced 1x4, Net Heatsink, LP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2198233-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2198233-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2198233-4_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Product Specification

English

Product Specification

English