



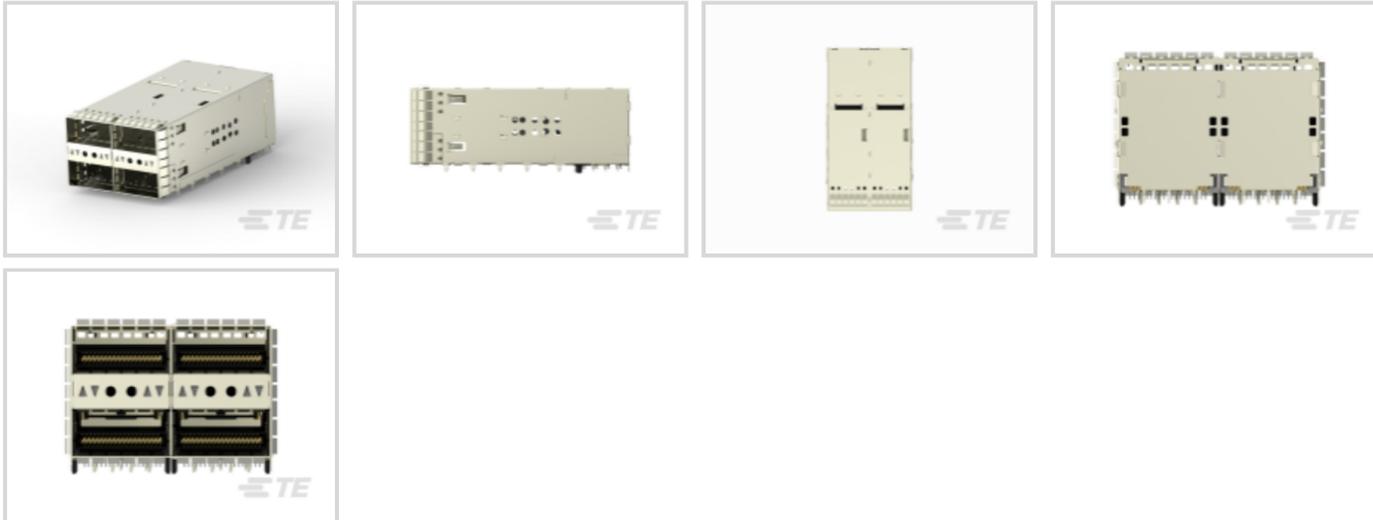
zQSFP+/QSFP28

TE Internal #: 2289129-2

zQSFP+, Cage Assembly with Integrated Connector, .8mm [.032in] Centerline, Signal, Operating Temperature Range -40 – 85 °C [-40 – 185 °F]

[View on TE.com >](#)

Connectors > High Speed Pluggable IO Connectors & Cages



Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

Centerline (Pitch): **.8 mm [.032 in]**

Sealable: **No**

Circuit Application: **Signal**

Operating Temperature Range: **-40 – 85 °C [-40 – 185 °F]**

Features

Product Type Features

Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	No
Form Factor	zQSFP+

Configuration Features

Number of Rear EONs per Port Column	3
Number of Positions	152
Number of Ports	4
Port Matrix Configuration	2 x 2

Electrical Characteristics

Data Rate (Max)	25 Gb/s
-----------------	---------

Contact Features

Contact Current Rating (Max)	.5 A
Contact Underplating Material	Tin



Contact Mating Area Plating Material	Gold (Au)
--------------------------------------	-----------

PCB Contact Termination Area Plating Material	Gold
---	------

Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
--	----------------

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
---------------------------	--------------------------

Termination Post & Tail Length	2 mm[.079 in]
--------------------------------	---------------

Housing Features

Cage Material	Nickel Silver
---------------	---------------

Centerline (Pitch)	.8 mm[.032 in]
--------------------	----------------

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
-----------------------------	------------------

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
-----------------------------	---------------------------

Operation/Application

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
----------------------------	-----------------------------

Heat Sink Compatible	No
----------------------	----

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Method	Box & Tray
------------------	------------

Other

Included Lightpipe	Yes
--------------------	-----

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
---	---

EU REACH Regulation (EC) No. 1907/2006	
--	--



Current ECHA Candidate List: JUNE 2025
(250)
Candidate List Declared Against: JUNE
2025 (250)
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>

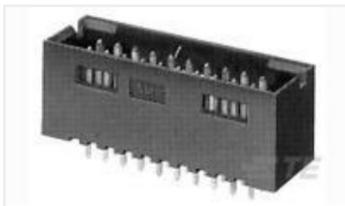
Compatible Parts



Also in the Series | zQSFP+/QSFP28



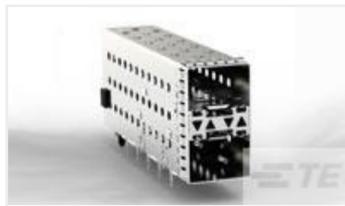
Customers Also Bought



TE Part #5-102619-1
06 MODII HDR DRST SHRD .100CL



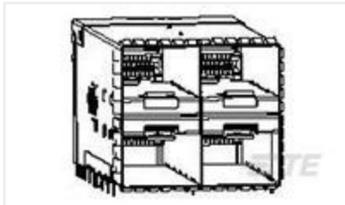
TE Part #1367646-4
Heatsink clip Stamped and Form



TE Part #2007492-5
SFP+assy 2x1 Spring Fingers 4LP Sn



TE Part #2169259-1
SFP+ 1x6 Cage Assy, Extended H



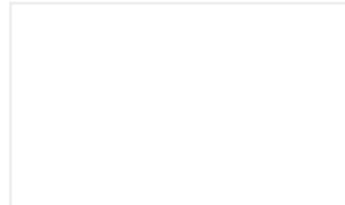
TE Part #2198325-5
zSFP+ STACKED 2X2 RECEPTACLE
ASSEMBLY



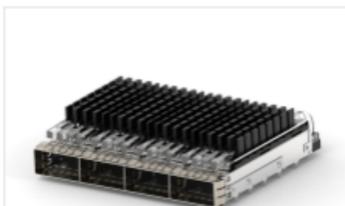
TE Part #2227669-1
zQSFP+ STACKED RECEPTACLE
ASSEMBLY 2X1



TE Part #2295036-1
SFP+ 1x1 Cage Assy, PF, with Heatsink



TE Part #1-2308171-3
ZQSFP+ CAGE& CONN 2X2, EMI
SPRING, BTB



TE Part #2349642-2
CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP



TE Part #2349642-3
CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2289129-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2289129-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2289129-2_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[QSFP28/56 and zQSFP+ Interconnects](#)

English

Product Specifications



Application Specification

English