2110819-1 ✔ ACTIVE

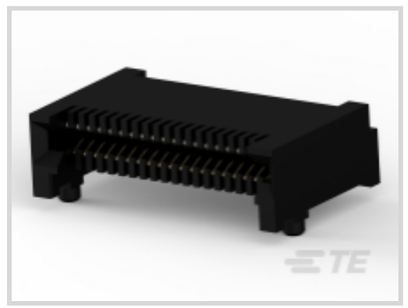
QSFP/QSFP+

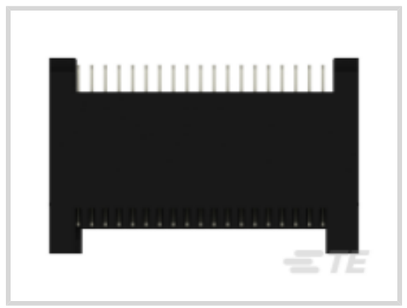
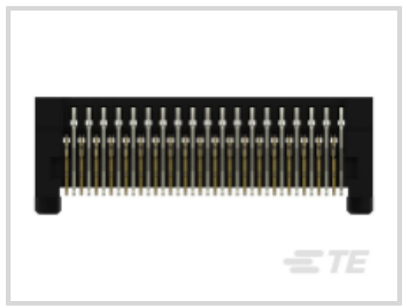
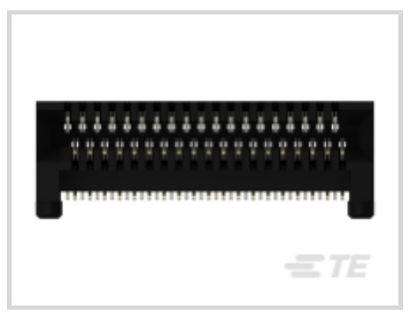
TE Internal #: 2110819-1

QSFP+, Cage Assembly, .8mm [.032in] Centerline, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F], Data Rate (Max) 14 Gb/s, 38 Position

View on TE.com >

Connectors > Pluggable IO Connectors & Cages



Form Factor: **QSFP+**

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

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

Sealable: **No**

Circuit Application: **Signal**

Features

Product Type Features

Form Factor	QSFP+
Pluggable I/O Product Type	Cage Assembly
Sealable	No

Configuration Features

Number of Positions	38

Electrical Characteristics

Data Rate (Max)	14 Gb/s

Contact Features

Contact Current Rating (Max)	.5 A
Contact Mating Area Plating Material	Gold (Au)
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Method to PCB	Surface Mount

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.45 mm[.057 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tape

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 2170141-1
Cage Assy SAN HS LP Gkt QSFP T

TE Part # 2301816-2
CAGE ASSEMBLY, 1X1, QSFP, SPRING

TE Part # 1-2170322-0
QSFP cage, Solder, No HS Opening, finger

TE Part # 2298896-3
2X1 QSFP+ SPRING CAGE AND CONNECTOR

TE Part # 2170486-2
QSFP 1X1 CAGE ASSEMBLY, THRU BEZEL

TE Part # 2170693-3
1X4 QSFP ASSY, ENHD EMI, W/ GASKET,NW

TE Part # 2007477-7
1xN QSFP Bhnd Bzl Dbl L Pipe, 55.5 Long

TE Part # 2085945-8
QSFP+ ASSY, 2X1, GSKT, 2LP-OUTR, W/ CS GA

TE Part # 2170207-3
1X6 QSFP CAGE ASSEMBLY THRU BEZEL WITH

TE Part # 2170207-1
1X6 QSFP CAGE ASSEMBLY THRU BEZEL WITH

TE Part # 2007477-1
1xN QSFP Bhnd Bzl Dbl LP, 59.2 Long

TE Part # 2007667-6
1X4 QSFP CAGE ASSY BEHIND BZL

TE Part # 1-2170287-1
1X4 CAGE ASSEMBLY, QSFP,SINGLE SQ LP

TE Part # 2057001-1
1x3 QSFP Cage Assy LP, Thru Bzl

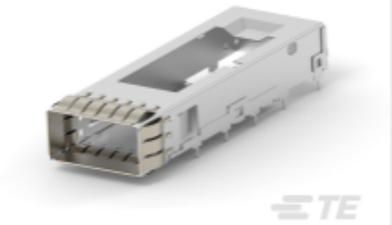
TE Part # 2170287-4
1X4 CAGE ASSEMBLY, THRU BEZEL, W/ GASKET

TE Part # 1888617-5
Cage Assy, QSFP, Through Bezel

TE Part # 2170693-1
1X4 CAGE ASSY, ENHANCED EMI, W/ GASKET

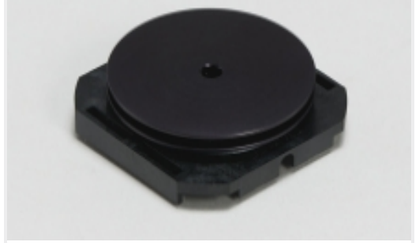
TE Part # 2301887-4
1X3 CAGE ASSEMBLY, THRU BEZEL, W/ GASKET

TE Part # 2007474-2
1x3 QSFP Cage Assy Behind Bzl

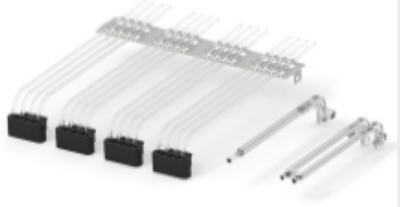


TE Part # 2309958-2
QSFP CAGE, SOLDER LEG, WITH HS OPENING

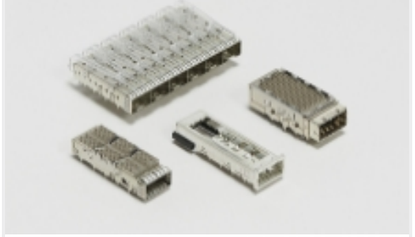
Also in the Series | QSFP/QSFP+



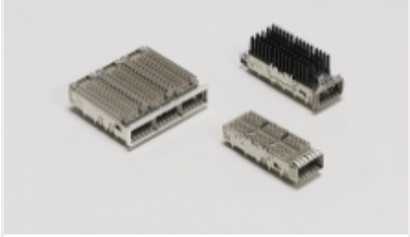
Heat Sinks(1)



Light Pipes(8)



Pluggable IO Connectors & Cages(154)



QSFP, QSFP+ & zQSPF+(154)

Customers Also Bought

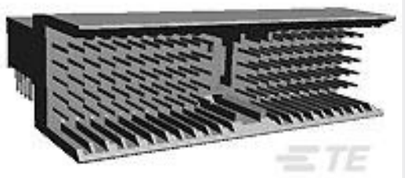
TE Part #2057419-2
IMP100S,H,V2P10C,LG,OEW39,4.9

TE Part #5786555-5
50 50SR VRT RCPT,FL TOP,ACT PN

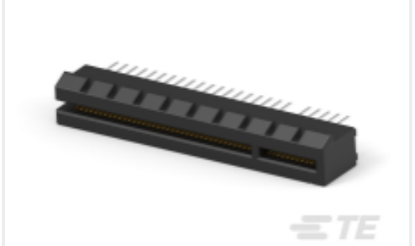
TE Part #2170790-2
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP

TE Part #1871058-3
PCI EXPRESS CONN. EON TYPE, 98

TE Part #2-6450540-5
MBXL VERT RCPT 2P+24S+2P



TE Part #5106014-1
Z-PACK/B RAMH.125P.



TE Part #6-2306645-4
PCI-E Card Edge, 98 Pos, 15u",

TE Part #2018697-1
SHAFT, DRIVE, BUFFER

TE Part #2401979-1
CAGE ASSY, QSFP DD 1X1, HS, LP

TE Part #2383586-1
CA, CCJ TO 2*Dynamic

Documents

Product Drawings

QSFP+ Enh EVERCLEAR PT Conn

English

CAD Files

Customer View Model

ENG_CVM_CVM_2110819-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2110819-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2110819-1_B.3d_stp.zip

English

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Datasheets & Catalog Pages

1-1773717-7_PLUGGABLE_IO_QRG_CN

English

1-1773717-8_PLUGGABLEIO_QRG_TCN

English

1-1773717-9_HIGH_SPEED_IO_QRG_JA

English

Product Specifications

Application Specification

English

Application Specification

English

Agency Approvals

UL Report

English