



QSFP/QSFP+

TE Internal #: 2110819-1
QSFP+, Cage Assembly, .032in [.8mm] Centerline, Signal,
Operating Temperature Range -55 - 105 °C [-67 - 221 °F], Data Rate
(Max) 14 Gb/s, 38 Position

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Connectors > Pluggable IO Connectors & Cages



Pluggable I/O Product Type: **Cage Assembly**
Centerline (Pitch): **.8 mm [.032 in]**
Sealable: **No**
Circuit Application: **Signal**
Operating Temperature Range: **-55 - 105 °C [-67 - 221 °F]**

Features

Product Type Features

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

Configuration Features

Number of Positions	38
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Electrical Characteristics

Data Rate (Max)	14 Gb/s
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Contact Features

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

Termination Features

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Termination Method to Printed Circuit Board	Surface Mount
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Housing Features

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

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

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

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tape
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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	Reflow solder capable to 260°C

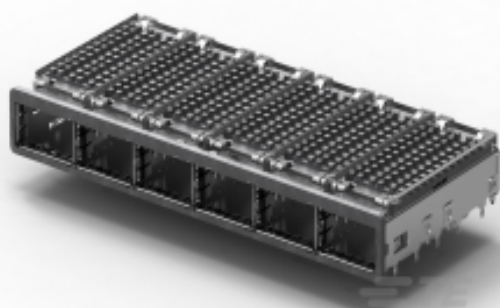
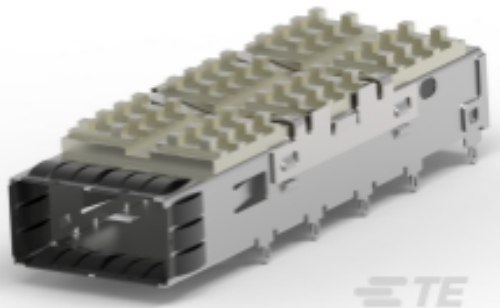
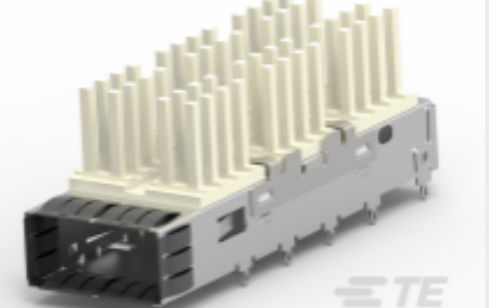
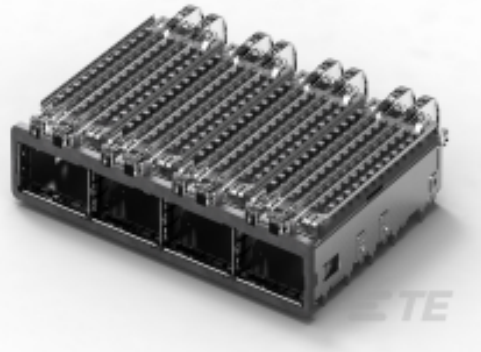
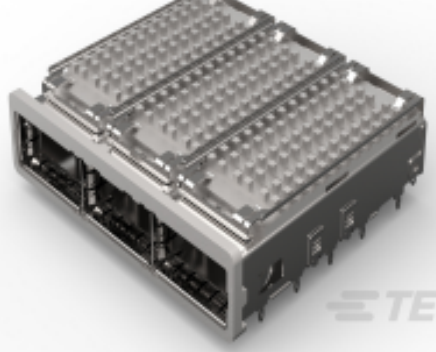
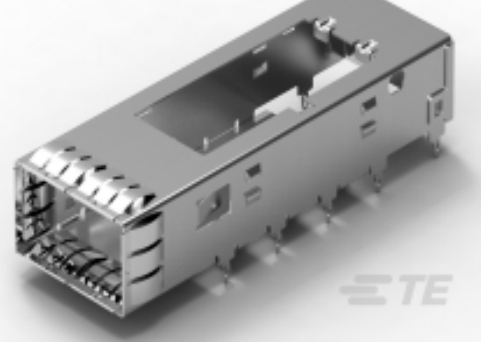
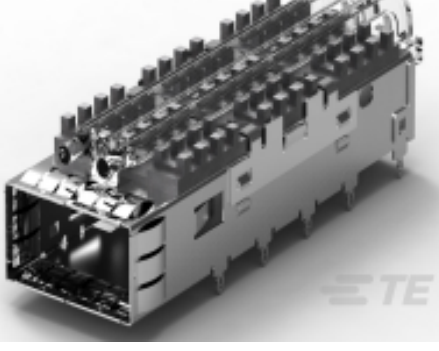
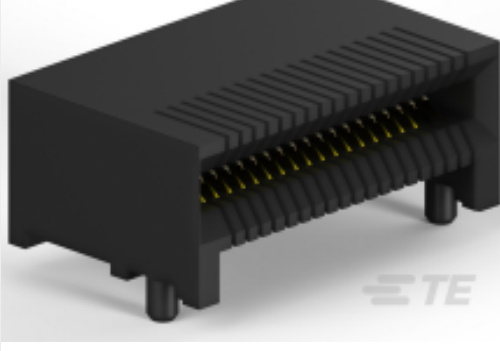
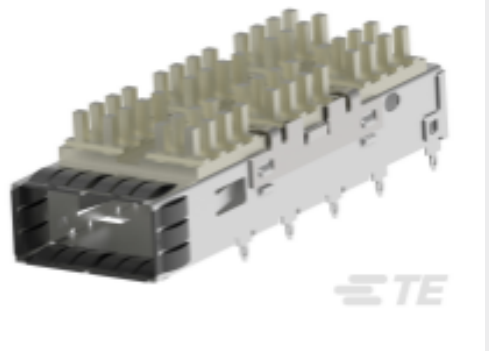
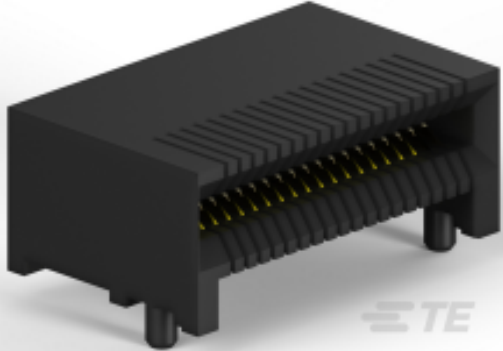
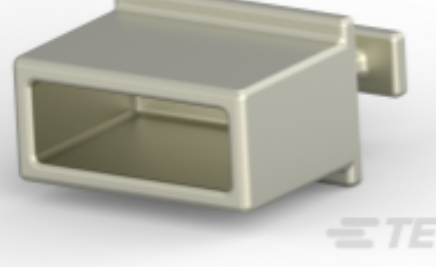
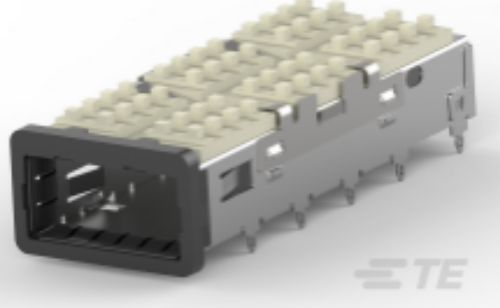
Product Compliance Disclaimer

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 # CAT-C11-H50111 QSFP-Four SFP+ I/O Cable Assembly 30 AWG	 TE Part # 2143330-1 1X6 QSFP Kit Assy Bhnd Bzl,PCI	 TE Part # 1888631-1 Cage Assy PCI Hsink QSFP Thru	 TE Part # 1888631-3 Cage Assy NW Hsink QSFP Thru Bezel
 TE Part # 2007626-1 1x4 QSFP Kit Assy Sqr LP, SAN Htsnk	 TE Part # 2085945-1 QSFP+ Assy, 2x1, Gskt, 2LP-Outr, Sn EONs	 TE Part # 2007456-1 1x3 QSFP Kit Assy Bhnd Bzl,PCI	 TE Part # 1888781-1 Cage Assy Behind Bezel QSFP
 TE Part # 1888617-1 Cage Assy, QSFP, Through Bezel	 TE Part # 1888971-3 QSFP TB Cage Assy, w/LP, PCI HS	 TE Part # 1-1761987-8 ReceptacleConnAssm38PosTape/Re	 TE Part # 1888631-2 Cage Assy SAN Hsink QSFP Thru Bezel
 TE Part # 1761987-9 ReceptacleConnAssm38PosTape/Re	 TE Part # 2007304-1 Heat sink Clip QSFP	 TE Part # 1888810-2 EMI/Dust Cover,XFP And QSFP	 TE Part # 1888968-1 Cage Assy PCI Hsink QSFP Behind Bezel



TE Part # 2110487-1
QSFP Cage, Solder Leg, No HS Opening

TE Part # 1888674-1
Cage Assy, QSFP, Through Bezel

TE Part # 1888968-2
Cage Assy SAN Hsink QSFP Behind Bezel

TE Part # 2007626-2
1x4 QSFP Kit Assy Sqr LP, Networking

Also in the Series

QSFP/QSFP+

Heat Sinks(1)

Light Pipes(8)

Pluggable I/O Cable Assemblies(19)

Pluggable IO Connectors & Cages(158)

Customers Also Bought

TE Part # 1934226-1
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TE Part # 5555140-4
MJ,LPF,R/A,6P/6C,SHLD,PNL GRD

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

TE Part # 2053453-7
QSFP-Four SFP+ I/O Cable Assembly 30 AWG

TE Part # 1586044-6
6P VAL-U-LOK R/A HDR SCR MT V0

TE Part # 5-2170790-3
CAGE ASSY, 1X4, QSFP28, SPRING, HS, C LP

TE Part # 2324193-7
CAGE ASSY, QSFP-DD 1X1, CUST HS

TE Part # 2302014-4
ZSFP+ 1X8 CAGE ASSY, PRESS-FIT, LP, HS

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

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

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](#)

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Agency Approvals

[UL Report](#)

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