

2110819-1 ✓ ACTIVE



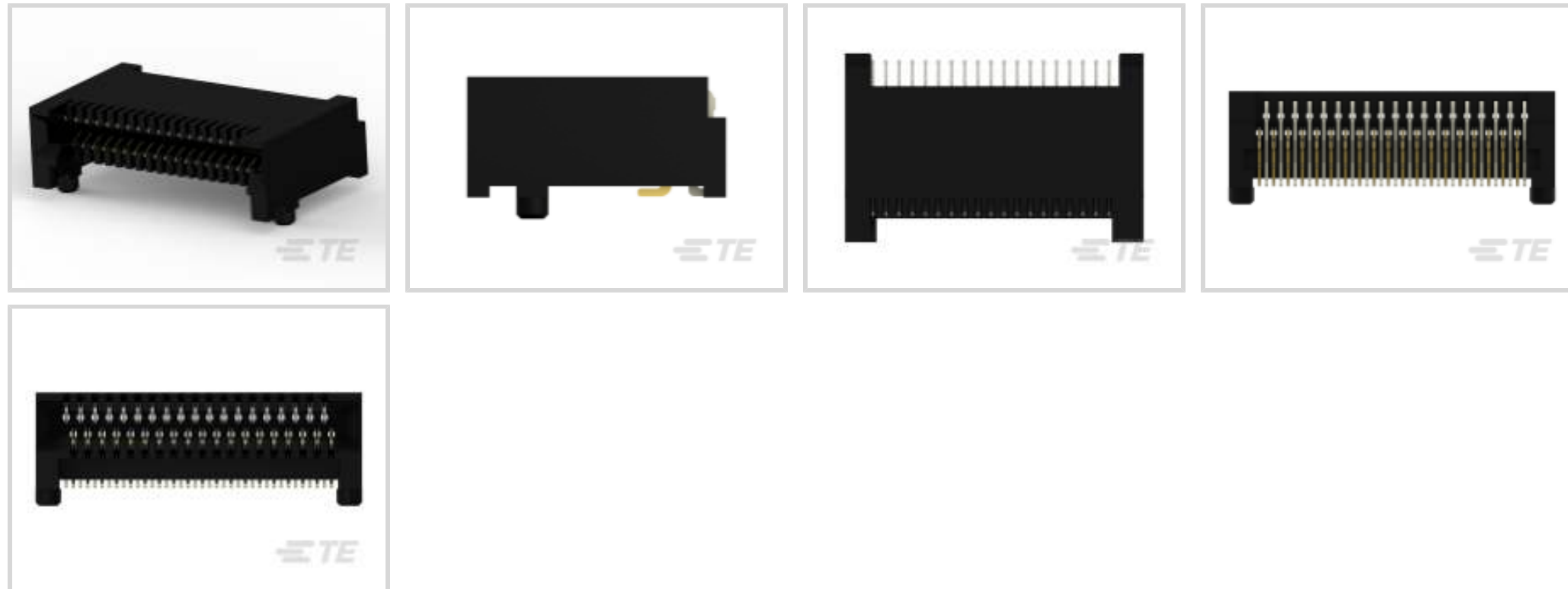
QSFP/QSFP+

TE Internal #: 2110819-1

QSFP, QSFP+ & zQSFP+, Cage Assembly, Data Rate (Max) 14 Gb/s, Cable-to-Board, 38 Position, .032 in [.8 mm] Centerline, QSFP/QSFP+

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > QSFP, QSFP+ & zQSFP+



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

Data Rate (Max): **14 Gb/s**

Connector System: **Cable-to-Board**

Number of Positions: **38**

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

Features

Product Type Features

Form Factor	QSFP+
Pluggable I/O Product Type	Cage Assembly
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

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 μ m[30 μ in]
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	.5 A



Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Connector Mounting Type	Board 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

For Use With Pluggable I/O Products	QSFP+ Cage
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Reel, 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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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-H50114
QSFP to QSFP I/O Cable Assembly: 30 AWG



TE Part # CAT-C11-H50111
QSFP-Four SFP+ I/O Cable Assembly 30 AWG



TE Part # CAT-Q17-AC229
QSFP Heat Sink Clips



TE Part # 2143330-1
1X6 QSFP Kit Assy Bhnd Bzl,PCI



TE Part # 1888971-1
Cage Assy Thru Bezel/LP San, QSFP



TE Part # 1888631-1
Cage Assy PCI Hsink QSFP Thru



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 # 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 Opening



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

Also in the Series | QSFP/QSFP+



Heat Sinks(1)



Pluggable I/O Cable Assemblies(23)



QSFP, QSFP+ & zQSFP+(168)

Customers Also Bought



TE Part #2007562-5
SFP+assy 2x6 Spring Fingers 4 LP Sn



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



TE Part #2317010-1
ZSFP+ 1X2 CAGE BELLY TO BELLY



TE Part #2302014-2
ZSFP+ 1X8 CAGE ASSY, PRESS-FIT, LP, HS




TE Part #2170507-5
1X3 QSFP CAGE ASSY



TE Part #2299940-1
ZQSFP+ STACKED REC ASSEMBLY 2X1,4LP HS




TE Part #5-2170705-8
CAGE ASSY, QSFP28 1X1, SPRING, HS, C LP



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



TE Part #2344878-1
CAGE ASSEMBLY, 1X2, QSFP28, SPRING, 8LP



TE Part #2302014-1
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

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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