

2170378-1 ✓ ACTIVE



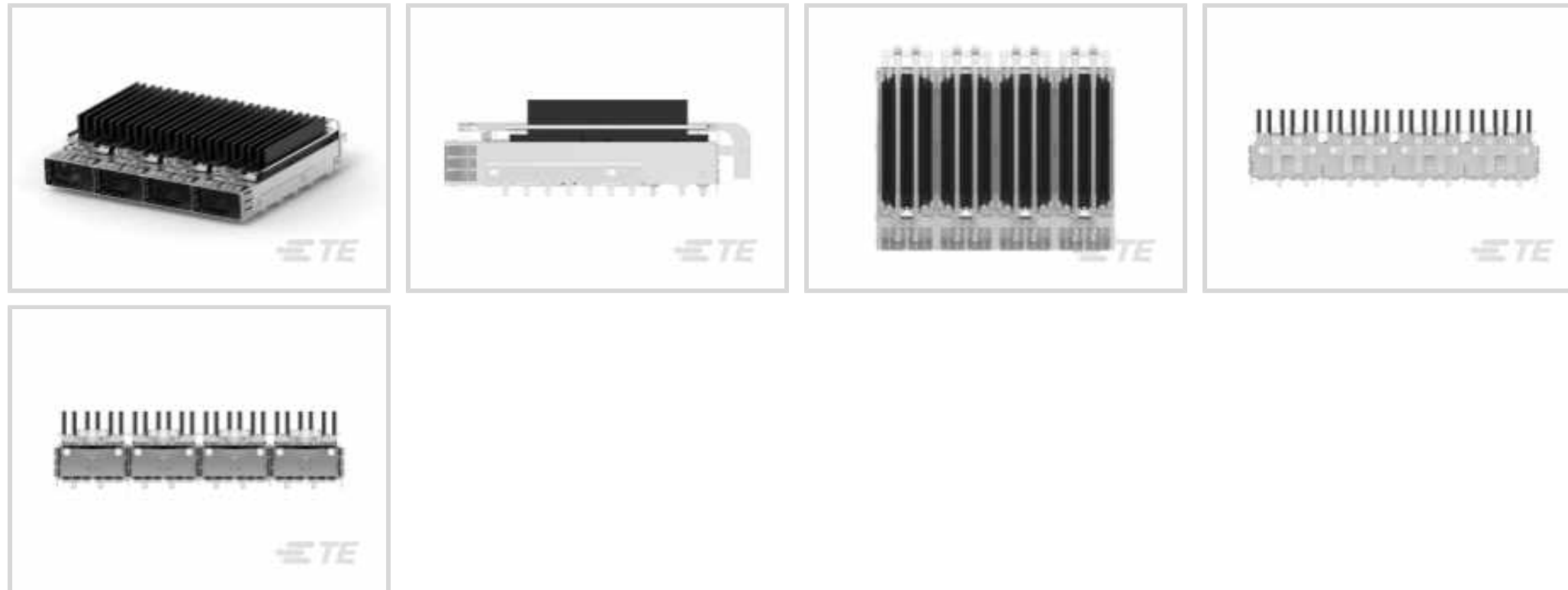
QSFP/QSFP+

TE Internal #: 2170378-1

QSFP, QSFP+ & zQSFP+, Cage Assembly, 1 x 4, Internal/External EMI Springs, Included Lightpipe, Data Rate (Max) 10 Gb/s, 4 Port, Dual Round, QSFP/QSFP+

[View on TE.com >](#)

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



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

Port Matrix Configuration: **1 x 4**

EMI Containment Feature Type: **Internal/External EMI Springs**

Thermal Accessory Type Included: **Heat Sink**

Included Lightpipe: **Yes**

Features

Product Type Features

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

Configuration Features

Port Matrix Configuration	1 x 4
Number of Ports	4
Lightpipe Configuration	Dual Round
Number of Rear EONs per Port Column	2

Electrical Characteristics

Data Rate (Max)	10 Gb/s
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Body Features

Heat Sink Finish	Anodized Black
Heat Sink Style	Fin
Heat Sink Height Class	Custom
Heat Sink Height	10.1 mm[.397 in]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Cage Material	Nickel Silver
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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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Other

EMI Containment Feature Type	Internal/External EMI Springs
Included Lightpipe	Yes

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 2023 (233) Candidate List Declared Against: JAN 2022 (223) 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



TE Part # 2110819-1
QSFP+ Enh EVERCLEAR PT Conn



TE Part # 1888810-2
EMI/Dust Cover, XFP And QSFP

Also in the Series | QSFP/QSFP+



Heat Sinks(1)



Pluggable I/O Cable Assemblies(23)



QSFP, QSFP+ & zQSFP+(168)

Customers Also Bought



TE Part #1676966-5
SMW2 R15 5%



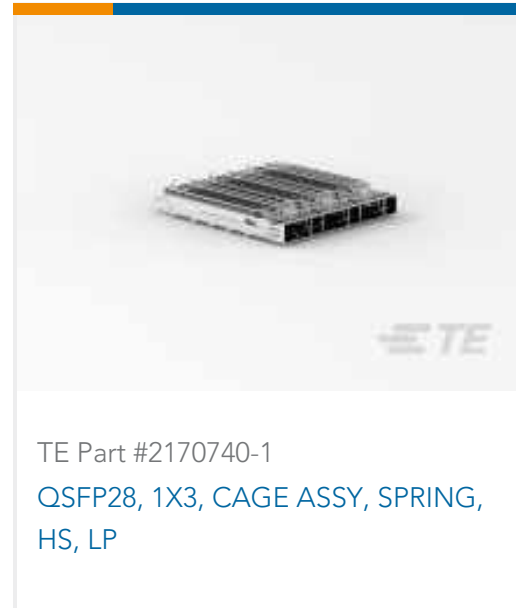
TE Part #2198230-2
SFP+ Enhanced 1x2, SAN Heatsink



TE Part #3-1415379-1
RT33LA24



TE Part #2-2106003-2
Connector, SMT-IDC, 2 position, 22AWG



Documents

Product Drawings

[1X4 QSFP KIT ASSY LP&HS](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2170378-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170378-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170378-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English