1888971-1 ✔ ACTIVE

QSFP/QSFP+

TE Internal #: 1888971-1

QSFP+, Cage Assembly, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F], Data Rate (Max) 14 Gb/s, 1 Ports

View on TE.com >

Connectors > High Speed Pluggable IO Connectors & Cages



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

Sealable: **No**

Circuit Application: **Signal**

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

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

Features

Product Type Features

Cage Type	Single
Thermal Accessory Type Included	Heat Sink
Pluggable I/O Product Type	Cage Assembly
Sealable	No
Form Factor	QSFP+

Configuration Features

Number of Rear EONs per Port Column	2
Number of Ports	1
Port Matrix Configuration	1 x 1

Electrical Characteristics

Data Rate (Max)	14 Gb/s

Body Features

Heat Sink Style	Pin
Heat Sink Finish	Anodized Black
Heat Sink Height	6.5 mm[.256 in]
Heat Sink Height Class	SAN

Contact Features

PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.2 mm[.086 in]

Housing Features

Cage Material	Nickel Silver

Dimensions

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

Usage Conditions

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

Operation/Application

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
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 2022 (224) 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 # 2821033-8
QSFP TO [4]SFP+, 28G, 1M, 33AWG



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



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



TE Part # 2829040-2
QSFP IB EDR, 33AWG, 1.0M



TE Part # CAT-C11-H5011142
QSFP to QSFP I/O Cable Assembly: 33 AWG



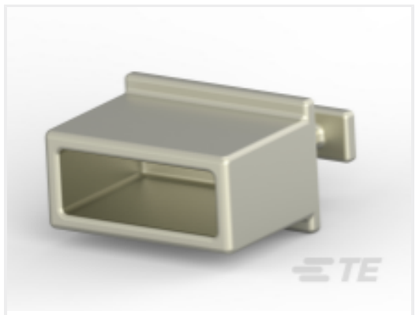
TE Part # 1-2053638-6
C/A, QSFP, 0.5M, P1-P2, UNEQUALIZED



TE Part # 2053453-5
C/A, QSFP TO 4XSFP+, 4.0M



TE Part # 2170539-1
CAGE ASSY SAN HS 4 LP GKT QSFP+ TRU BEZE



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

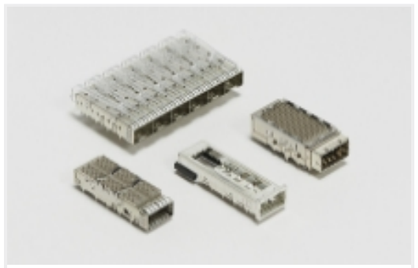


TE Part # 2829040-7
QSFP IB EDR, 26AWG, 2.0M



TE Part # 2829040-8
QSFP IB EDR, 26AWG, 3.0M

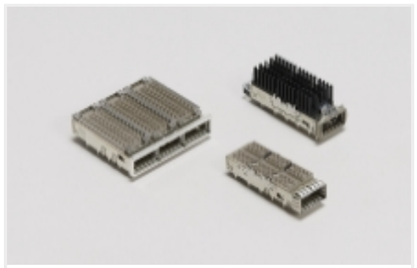
Also in the Series | QSFP/QSFP+



High Speed Pluggable IO Connectors & Cages(143)



Pluggable I/O Cable Assemblies(13)

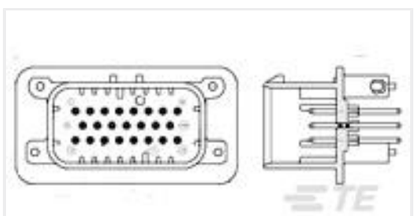


QSFP, QSFP+ & zQSPF+(143)

Customers Also Bought



TE Part #812383-SF
FN9299-6-06



TE Part #776231-1
35POS,PIN DIA 1.3,HDR ASSY, 180DEG,COD 1



TE Part #CAT-P851-T1B
PCB Power Relay: 40 Amp, Monostable



TE Part #1558666-7
T9GS1L14-24



TE Part #1-1939638-3
DYNAMIC 1100D HDR ASSY H 26P XBLACK GOLD



TE Part #1-2199119-5
M.2 0.5PITCH 3.2H KEY M 15U'' AU



TE Part #5-2301995-4
RJ45 JACK INT.MAG. 1GB LED 1X1 VERT.



TE Part #1-2834659-0
DYNAMIC ULTRA HDR 10P BLK X KEY

TE Part #2834666-2
DYNAMIC ULTRA TERMINAL 22 24 AWG

Documents

Product Drawings

Cage Assy Thru Bezelw/LP San, QSFP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1888971-1_A2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1888971-1_A2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1888971-1_A2.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English