

**1888971-3** ACTIVE**QSFP/QSFP+**

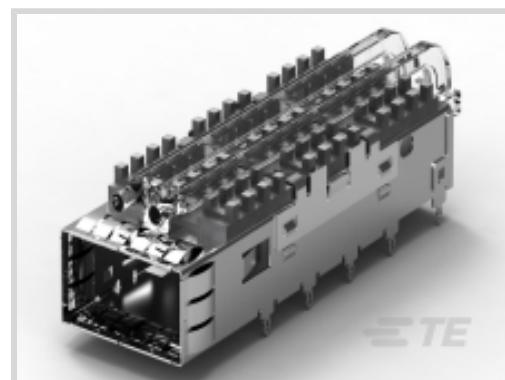
TE Internal #: 1888971-3

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 &gt; Pluggable I/O Connectors &amp; Cages

Pluggable I/O Product Type: **Cage Assembly**Data Rate (Max): **14 Gb/s**Sealable: **No**Number of Ports: **1**Port Matrix Configuration: **1 x 1**

## Features

### Product Type Features

Thermal Accessory Type Included	Heat Sink
Cage Type	Single
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
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### Body Features

Heat Sink Finish	Anodized Black
Heat Sink Height	4.2 mm [.165 in]
Heat Sink Height Class	PCI
Heat Sink Style	Pin

### Contact Features

PCB Contact Termination Area Plating Material	Tin
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### Termination Features

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

### Housing Features

Cage Material	Nickel Silver
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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

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Box & Tray
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### Other

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

### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # CAT-C11-H50111  
QSFP-Four SFP+ I/O Cable Assembly  
30 AWG



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



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



TE Part # CAT-C11-H501114  
QSFP to QSFP I/O Cable Assembly: 30 AWG



TE Part # CAT-C11-H5011  
QSFP-Four SFP+ I/O Cable Assembly  
28 AWG



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



TE Part # 2053638-4  
C/A, QSFP, 4M, P1-P2, UNEQUALIZED



TE Part # 2202165-4  
QSFP TO QSFP, 26AWG, FDR, 4.0 METER



TE Part # 2202165-5  
QSFP TO QSFP, 26AWG, FDR, 5.0 METER



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



TE Part # 2829040-4  
QSFP IB EDR, 30AWG, 1.0M



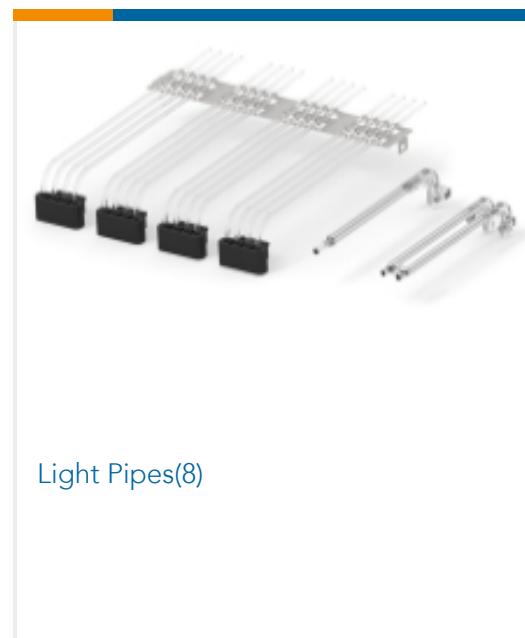
TE Part # 2829040-6  
QSFP IB EDR, 30AWG, 2.0M

TE Part # 2829040-7  
QSFP IB EDR, 26AWG, 2.0MTE Part # 2829040-8  
QSFP IB EDR, 26AWG, 3.0MTE Part # 2821033-8  
QSFP TO [4]SFP+, 28G, 1M, 33AWG

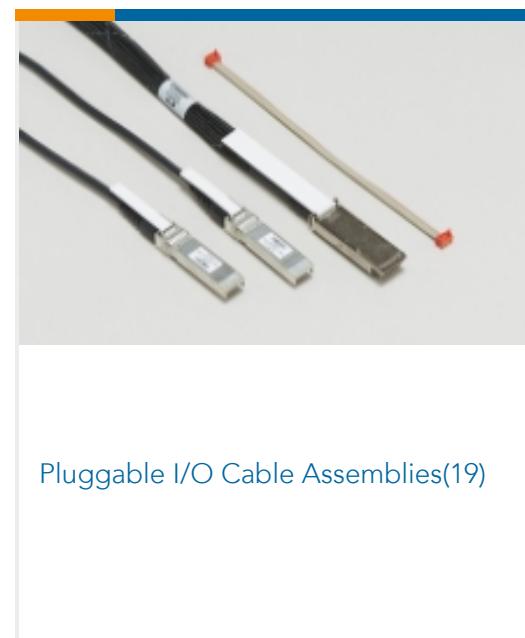
## Also in the Series | QSFP/QSFP+



Heat Sinks(1)



Light Pipes(8)



Pluggable I/O Cable Assemblies(19)



Pluggable IO Connectors &amp; Cages(158)

## Customers Also Bought

TE Part #5499922-3  
A/L UNIV HDR 16P VERT LG LATTE Part #2199230-5  
M.2 0.5PITCH 4.2H KEY B 30U" AUTE Part #2170704-5  
CAGE ASSY, QSFP28 1X1, SPRING, HSTE Part #6368150-1  
MJ,TE,8P,CAT5,SHIELDEDTE Part #8-2176364-1  
RQ 0402 31K6 0.1% 10PPM 5K RLTE Part #2176363-7  
RQ 0402 499R 0.1% 10PPM 5K RLTE Part #2176364-6  
RQ 0402 5K23 0.1% 10PPM 5K RLTE Part #1-2176364-5  
RQ 0402 6K49 0.1% 10PPM 5K RLTE Part #2-2170808-4  
QSFP28, 1X2, CAGE ASSY, SPRING,  
HS, LPTE Part #1757639-1  
SMPM SURFACE MOUNT

## Documents

### Product Drawings

[QSFP TB Cage Assy, w/LP, PCI HS](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1888971-3\\_A2.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1888971-3\\_A2.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1888971-3\\_A2.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English