2170738-6 ✔ ACTIVE

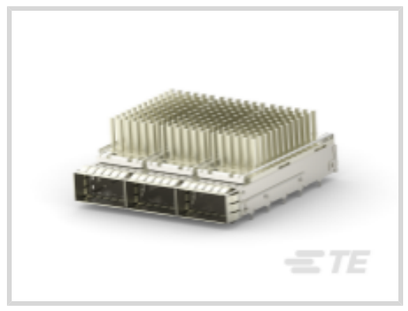
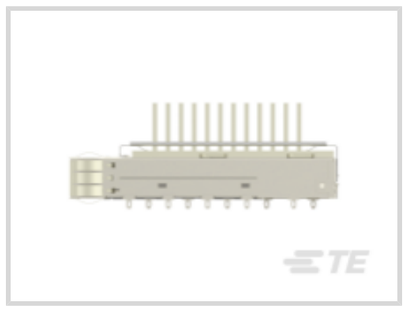
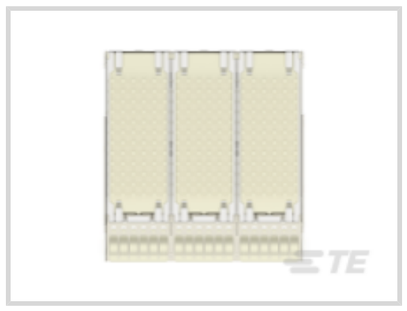
HSIO | zQSFP+/QSFP28

TE Internal #: 2170738-6

QSFP28/56, Cage Assembly, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F], Data Rate (Max) 28 Gb/s, 3 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): **28 Gb/s**

Features

Product Type Features

Cage Type	Ganged
Thermal Accessory Type Included	Heat Sink
Pluggable I/O Product Type	Cage Assembly
Sealable	No
Form Factor	QSFP28/56

Configuration Features

Number of Rear EONs per Port Column	1
Number of Ports	3
Port Matrix Configuration	1 x 3

Electrical Characteristics

Data Rate (Max)	28 Gb/s

Body Features

	.531 in
Heat Sink Style	Pin

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Heat Sink Finish	Anodized Black
Heat Sink Height Class	Networking

Contact Features

PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.05 mm[.081 in]

Housing Features

Cage Material	Nickel Silver

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 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	No
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)

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	Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

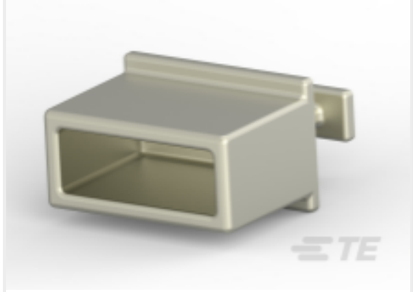
Product Compliance Disclaimer

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 # 1-2334878-0
QSFP TO [4]SFP 25GIG 26AWG 5 METER



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



TE Part # 2333393-5
QSFP 25GIG 30AWG 2 METER



TE Part # 4-2333801-4
QSFP TO (2)QSFP, 56G, 2 METER, 30AWG



TE Part # 4-2333801-2
QSFP TO (2)QSFP, 56G, 1 METER, 30AWG



TE Part # 2334878-6
QSFP TO [4]SFP 25GIG 26AWG 3 METER



TE Part # 2333393-7
QSFP 25GIG 30AWG 3 METER



TE Part # 2334236-6
QSFP TO [4]SFP25GIG 30AWG 3 METER

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TE Part # 2333393-3
QSFP 25GIG 30AWG 1 METER



TE Part # 2334878-8
QSFP TO [4]SFP 25GIG 26AWG 4 METER



TE Part # 4-2333842-6
QSFP 56GIG 26AWG 3 METER



TE Part # 4-2333842-4
QSFP 56GIG 26AWG 2 METER



TE Part # 4-2334236-4
QSFP TO [4]SFP 56GIG 30AWG 2 METER



TE Part # 4-2334236-2
QSFP TO [4]SFP 56GIG 30AWG 1 METER



TE Part # 2333801-2
QSFP TO (2)QSFP, 25G, 1 METER, 30AWG



TE Part # 2333842-6
QSFP 25GIG 26AWG 3 METER



TE Part # 2333801-6
QSFP TO (2)QSFP, 25G, 3 METER, 30AWG



TE Part # 1551920-2
zQSFP+ connector assembly



TE Part # 2333801-4
QSFP TO (2)QSFP, 25G, 2 METER, 30AWG



TE Part # 4-2334878-6
QSFP TO [4]SFP 56GIG 26AWG 3 METER

Also in the Series | zQSFP+/QSFP28

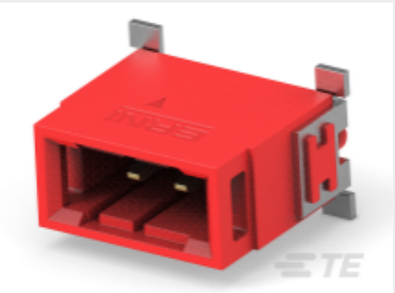
Heat Sinks(4)

High Speed I/O Cable Assemblies(78)

High Speed Pluggable IO Connectors & Cages(394)

QSFP, QSFP+ & zQSPF+(394)

Customers Also Bought



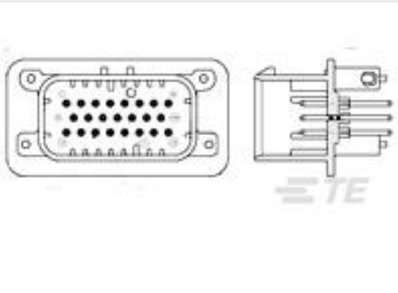
TE Part #294648-E
SRCP 2,54 2 M 1 SMD 137 E1 168 * GU-H *



TE Part #5-146278-3
03 MODII HDR SRST B/A .100CL



TE Part #640445-8
08P MTA156 HDR ASSY FL/STR SN



TE Part #776262-1
14POS,PIN DIA 1.3,HDR ASSY, 180DEG,COD 1

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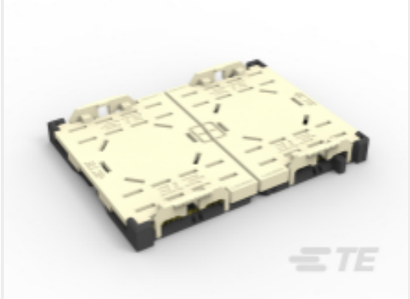
TE Part #4-1393210-1
T9AS5L12-12



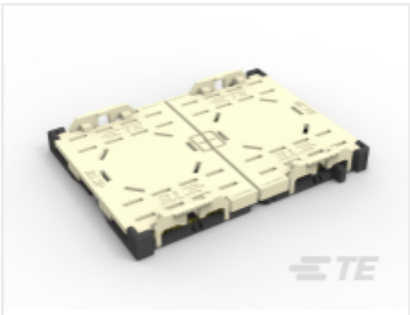
TE Part #2174803-2
PUSH-PUSH MICRO SIM CONNECTOR



TE Part #1-2301994-0
RJ45 JACK INT.MAG. 1GB LED 1X1



TE Part #1-2324271-1
RIGHT SEGMENT LGA4189-4 SOCKETP4 FOR ODM



TE Part #1-2324271-2
LEFT SEGMENT LGA4189-4 SOCKET-P4 FOR ODM

TE Part #1878029-2
32560-4A

Documents

Product Drawings

QSFP28, 1X3, CAGE ASSEMBLY, SPRING, HS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2170738-6_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2170738-6_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2170738-6_1.3d_stp.zip

English

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

Datasheets & Catalog Pages

QSFP28/56 and zQSFP+ Interconnects

English

Product Specifications

Application Specification

English

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