2300281-1 ✔ ACTIVE

zQSFP+/QSFP28

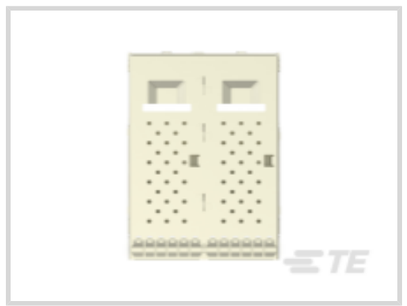
TE Internal #: 2300281-1

QSFP28/56, Cage Assembly, 19mm [.748in] Centerline, Operating Temperature Range -40 – 85 °C [-40 – 185 °F], 2 Ports, Port Matrix Configuration 1 x 2

View on TE.com >

Connectors > Pluggable IO Connectors & Cages







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

Centerline (Pitch): **19 mm [.748 in]**

Operating Temperature Range: **-40 – 85 °C [-40 – 185 °F]**

Number of Ports: **2**

Port Matrix Configuration: **1 x 2**

Features

Product Type Features

Cage Type	Ganged
Pluggable I/O Product Type	Cage Assembly
Form Factor	QSFP28/56

Configuration Features

Number of Rear EONs per Port Column	0
Number of Ports	2
Port Matrix Configuration	1 x 2

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
Centerline (Pitch)	19 mm[.748 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Heat Sink Compatible	No

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	Out of Scope
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	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 # 2829040-4
QSFP IB EDR, 30AWG, 1.0M



TE Part # CAT-Q17-N490325
QSFP56 to QSFP56 Cable Assembly: 30 AWG



TE Part # 1551920-2
zQSFP+ connector assembly



TE Part # 2185234-1
ASSY, SEATING TOOL, QSFP28



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



TE Part # CAT-Q17-N49011
QSFP56-Four SFP56 Cable Assembly: 30 AWG



TE Part # CAT-C11-Z806726
QSFP28 to QSFP28 Cable Assembly: 30 AWG



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



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



TE Part # CAT-C11-Q17
QSFP56 to QSFP56 Cable Assembly: 26 AWG



TE Part # CAT-Q17-N49033
QSFP56-Two QSFP56 Cable Assembly: 30 AWG



TE Part # CAT-C11-Z8
QSFP28 to QSFP28 Cable Assembly: 26 AWG



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



TE Part # CAT-C11-N49
QSFP28-Two QSFP28 Cable Assembly: 30 AWG



TE Part # CAT-C11-N490325
QSFP28-Four SFP+ Cable Assembly: 26 AWG



TE Part # CAT-C11-N490333
QSFP28-Four SFP+ Cable Assembly: 30 AWG

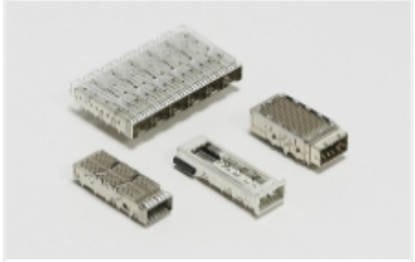


TE Part # CAT-Q17-N490333
QSFP56-Four SFP56 Cable Assembly: 26 AWG

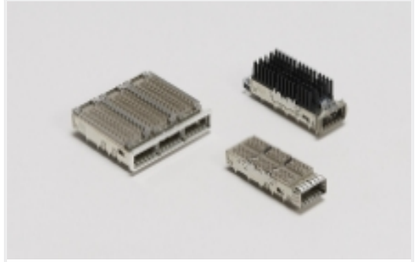
Also in the Series | zQSFP+/QSFP28



Pluggable I/O Cable Assemblies(78)



Pluggable IO Connectors & Cages(394)

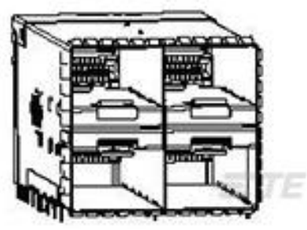


QSFP, QSFP+ & zQSPF+(394)

Customers Also Bought



TE Part #3-641190-8
08P MTA100 CONN ASSY RED LF



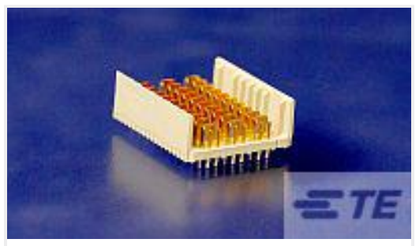
TE Part #2198325-5
zSFP+ STACKED 2X2 RECEPTACLE ASSEMBLY



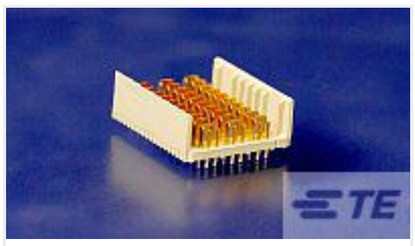
TE Part #2227669-1
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X1



TE Part #2349642-3
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP



TE Part #6469083-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part #6469085-1
HMZD 3PAIR, HDR ASSY, 25MM MOD

TE Part #1775838-6
mini PCI-E 5.6H Type II G/F

TE Part #2016623-7
RF CA,1.0-2.3 BKD TO UMCC GEN1, 1.37 BK

TE Part #3-2343522-4
SFP56 STACKED 2X2 RECEPTACLE ASSEMBLY

TE Part #6-2432269-3
ASSY STRADDLE 85Ohm 168P 062 SLIVER 2.0

Documents

Product Drawings

CAGE ASSEMBLY, 1X2, QSFP28, SPRING

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2300281-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2300281-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2300281-1_A.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

Application Specification

English