# 2299924-2 ✔ ACTIVE

zQSFP+/QSFP28

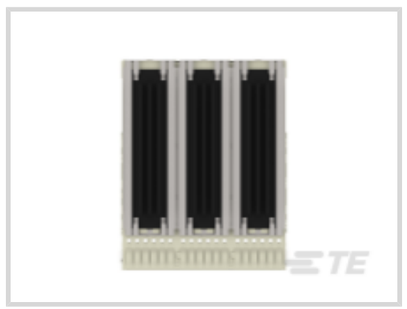
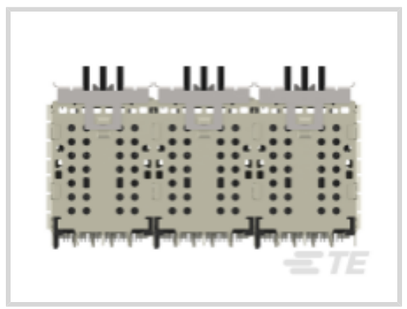
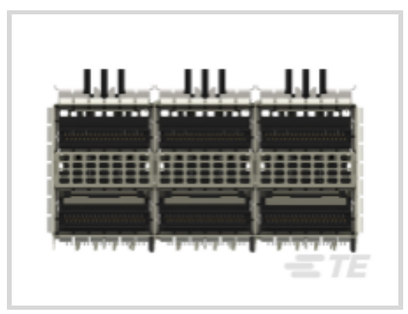
TE Internal #: 2299924-2

zQSFP+, Cage Assembly with Integrated Connector, .8mm [.032in] Centerline, Signal, Operating Temperature Range -40 – 85 °C [-40 – 185 °F]

View on TE.com >

Connectors > Pluggable IO Connectors & Cages



Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

Centerline (Pitch): **.8 mm [ .032 in ]**

Sealable: **No**

Circuit Application: **Signal**

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

## Features

### Product Type Features

| | |
|---|---|
| Cage Type | Stacked |
| Thermal Accessory Type Included | Heat Sink |
| Pluggable I/O Product Type | Cage Assembly with Integrated Connector |
| Sealable | No |
| Form Factor | zQSFP+ |

### Configuration Features

| | |
|---|---|
| Number of Rear EONs per Port Column | 3 |
| Number of Positions | 228 |
| Number of Ports | 6 |
| Port Matrix Configuration | 2 x 3 |

### Electrical Characteristics

| | |
|---|---|
| Data Rate (Max) | 25 Gb/s |

### Body Features

| | |
|---|---|
| Heat Sink Style | Fin |

| | |
|---|---|
| Heat Sink Finish | Anodized Black |
| Heat Sink Height | 6.77 mm[.266 in] |
| Heat Sink Height Class | Custom |

## Contact Features

| | |
|---|---|
| Contact Current Rating (Max) | .5 A |
| Contact Underplating Material | Tin |
| Contact Mating Area Plating Material | Gold (Au) |
| PCB Contact Termination Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | 30 µm[.76 µin] |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Press-Fit |
| Termination Post & Tail Length | 2 mm[.079 in] |

## Housing Features

| | |
|---|---|
| Cage Material | Nickel Silver |
| Centerline (Pitch) | .8 mm[.032 in] |

## Dimensions

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

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Pluggable I/O Applications | Thermally Enhanced |
| Heat Sink Compatible | No |
| 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 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # 2829040-6
QSFP IB EDR, 30AWG, 2.0M



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



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



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



TE Part # 2821033-8
QSFP TO [4]SFP+, 28G, 1M, 33AWG

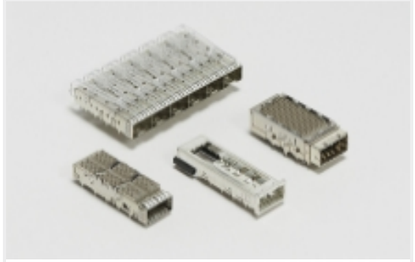


TE Part # 2829040-4
QSFP IB EDR, 30AWG, 1.0M

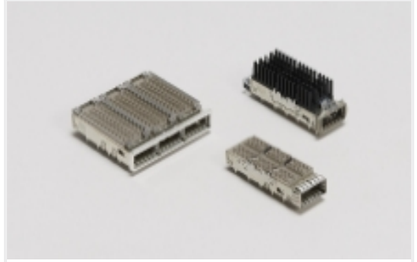
## Also in the Series | zQSFP+/QSFP28



Pluggable I/O Cable Assemblies(78)



Pluggable IO Connectors & Cages(394)



QSFP, QSFP+ & zQSPF+(394)

## Customers Also Bought



TE Part #2299924-5
ZQSFP+ STACKED REC ASSEMBLY 2X3,4LP HS



TE Part #CAT-D33047-SO1339
DDR4 SO DIMM Sockets

## Documents

### CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_2299924-2_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_2299924-2_A.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_2299924-2_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