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Part Number: [2027180100](#)
Status: **Active**
Overview: [QSFP-DD Interconnect System and Cable Assemblies](#)
Description: QSFP-DD Surface Mount Connector, 76 Circuits, 0.76µm Gold (Au) Plated

Documents:

| | |
|---|---|
| 3D Model | Application Specification 2027189010-TS-000 (PDF) |
| Drawing (PDF) | Application Specification 2027189030-AS-000 (PDF) |
| 3D Model (PDF) | Application Specification 2027189040-RS-000 (PDF) |
| Product Specification 2027189010-PS-000 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

| | |
|-----|--------|
| CSA | 152514 |
| UL | E29179 |

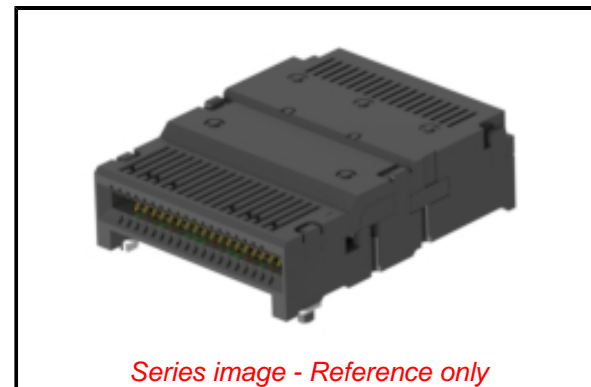
General

| | |
|------------------|--|
| Product Family | I/O Connectors |
| Series | 202718 |
| Application | Module-to-Board |
| Component Type | Receptacle |
| Electrical Model | Yes |
| Overview | QSFP-DD Interconnect System and Cable Assemblies |
| Product Name | QSFP-DD |
| Type | N/A |
| UPC | 191128278966 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 76 |
| Circuits (maximum) | 76 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| Flammability | 94V-0 |
| Gender | Female |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 2.949/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PCB Locator | Yes |
| PCB Retention | Yes |
| Packaging Type | Embossed Tape on Reel |
| Panel Mount | N/A |
| Pitch - Mating Interface | 0.80mm |
| Plating min - Mating | 0.760µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Ports | 1 |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface: Style | Surface Mount |

Electrical



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

Not Contained

Search Parts in this Series

[202718](#) Series

Use With

QSFP-DD Cage Assemblies [203143](#) ,
[203152](#) , [203369](#) , [203370](#) , [203371](#) ,
[203372](#)

| | |
|-------------------------------|--------|
| Current - Maximum per Contact | 1.0A |
| Grounding to Panel | None |
| Shielded | No |
| Voltage - Maximum | 30V DC |

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|--|
| Application Specification | 2027189010-TS-000, 2027189030-AS-000, 2027189040-RS-000 |
| Electrical Model Document | 2027180100A-000 |
| Product Specification | 2027189010-PS-000 |
| S-Parameter Model | 2027180100SP-000 |
| Sales Drawing | 2027180100-000 |

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