

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**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](#) [3D Model \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

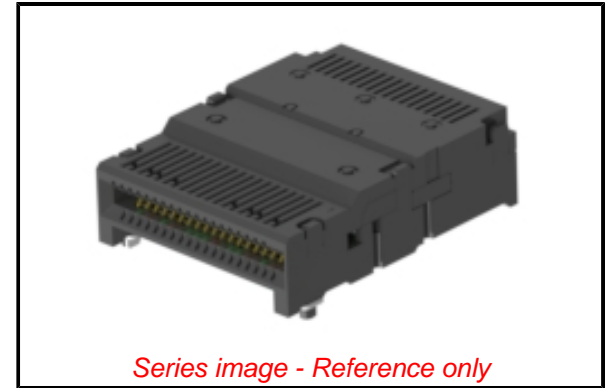
Product Family I/O Connectors  
 Series [202718](#)  
 Application Module-to-Board  
 Component Type Receptacle  
 Electrical Model Yes  
 Overview [QSFP-DD Interconnect System and Cable Assemblies](#)  
 Product Name QSFP-DD  
 Type N/A  
 UPC 191128278966

**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**

Current - Maximum per Contact 1.0A  
 Grounding to Panel None  
 Shielded No



**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ECHA\_01\_2020 (16  
 January 2020

**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](#)

Voltage - Maximum

30V DC

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

2027180100-000

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