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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:**

<a href="#">3D Model</a>	<a href="#">Application Specification 2027189010-TS-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification 2027189030-AS-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification 2027189040-RS-000 (PDF)</a>
<a href="#">Product Specification 2027189010-PS-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	152514
UL	E29179

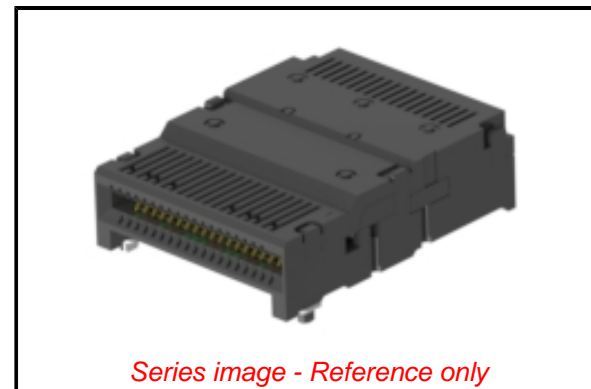
**General**

Product Family	I/O Connectors
Series	<a href="#">202718</a>
Application	Module-to-Board
Component Type	Receptacle
Electrical Model	Yes
Overview	<a href="#">QSFP-DD Interconnect System and Cable Assemblies</a>
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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