



Part Number : [787180001](#)

**Product Description :** 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Right-Angle, Surface Mount, with Forklock, 2.85mm Height, 3.50mm Peg Length, 1.60mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape and Reel, Lead-Free

Series Number : 78718

Status : Active

Product Category : I/O Connectors

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## Documents & Resources

### Drawings

[Drawing 787180001\\_sd.pdf](#)

[Packaging Design Drawing PK-78718-001-001.pdf](#)

### 3D Models and Design Files

[3D Model 787180001\\_stp.zip](#)

[Electrical Model Document EE-78718-001-001.pdf](#)

[Electrical Model Document EE-78718-002-001.pdf](#)

[S-Parameter Model SP-78718-001-001.zip](#)

[S-Parameter Model SP-78718-002-001.zip](#)

### Specifications

[Application Specification AS-78718-001-001.pdf](#)

[Product Specification PS-78718-001-001.pdf](#)

[Test Summary TS-78718-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

### [Multiple Part Product Compliance Statements](#)

- Eu RoHS

- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	I/O Connectors
Series	78718
Description	1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Right-Angle, Surface Mount, with Forklock, 2.85mm Height, 3.50mm Peg Length, 1.60mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape and Reel, Lead-Free
Application	Board-to-Board
Comments	With Cap
Component Type	Receptacle
Product Family	Serial Attached SCSI (SAS) Connectors
Product Name	SAS 12G,SAS-3
Type	N/A
UPC	887191409719

### Agency

CSA	LR19980
UL	E29179

### Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	30V

## Physical

Circuits Detail	Signal 14, Power 15
Circuits (Loaded)	29
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Gender	Female
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	2.550/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	0.80mm, 1.27mm
Pitch - Termination Interface	0.80mm, 1.27mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Temperature Range - Operating	0° to +55°C
Termination Interface Style	Surface Mount
Waterproof / Dustproof	No

## Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW

Max-Cycle	1
Max-Temp	260

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Mates With	SFF-8482 and SFF-8680 Plugs, SAS / SATA Plugs

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