Part Number : 787180002
Product Description : 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Right-Angle, Surface Mount, with Blade, 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



Documents & Resources

Drawings

787180002_sd.pdf

PK-78718-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

EE-78718-001-001.pdf

EE-78718-002-001.pdf

SP-78718-001-001.zip

SP-78718-002-001.zip

Specifications

AS-78718-001-001.pdf

PS-78718-001-001.pdf

TS-78718-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006

EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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 Blade, 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 Name	SAS 12G,SAS-3
Type	N/A

UPC	887191897523

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	1.910/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

Mates With / Use With

Mates with Part(s)

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