



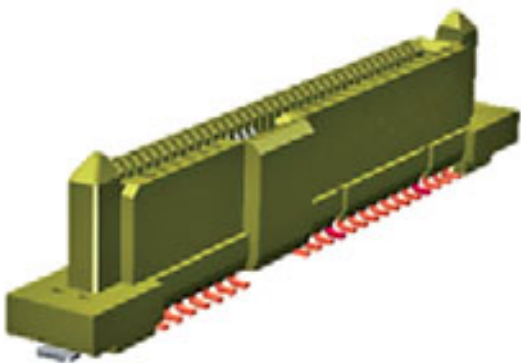
**Part Number :** [787280002](#)

**Product Description :** 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Vertical, Surface Mount, with Side Solder Tabs, 1.60mm PCB Thickness, 29 Circuits, with Cap, 45.75mm Length, 5.50mm Width, Embossed Tape on Reel, Lead-Free

**Series Number :** 78728

**Status :** Active

**Product Category :** I/O Connectors



## Documents & Resources

### Drawings

[Drawing 787280002\\_sd.pdf](#)

[Packaging Design Drawing PK-78728-003-001.pdf](#)

### 3D Models and Design Files

[3D Model 787280002\\_stp.zip](#)

[3D Model PDF 787280002.pdf](#)

[Electrical Model Document EE-78728-001-001.pdf](#)

[Signal Integrity Report SI-78728-001-001.pdf](#)

[S-Parameter Model SP-78728-001-001.zip](#)

### Specifications

[Application Specification AS-78728-001-001.pdf](#)

[Product Specification PS-78728-001-001.pdf](#)

[Test Summary TS-78728-001-001.pdf](#)

[Test Summary TS-78728-002-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
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	78728
Description	1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Vertical, Surface Mount, with Side Solder Tabs, 1.60mm PCB Thickness, 29 Circuits, with Cap, 45.75mm Length, 5.50mm Width, Embossed Tape on Reel, Lead-Free
Application	Board-to-Board
Component Type	Receptacle
Product Family	Serial Attached SCSI (SAS) Connectors
Product Name	SAS 12G,SAS-3
Type	N/A
UPC	887191309255

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	1.5A
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Voltage - Maximum	30V
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## 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	High Temperature Thermoplastic
Net Weight	1.544/g
Number of Rows	2
Orientation	Vertical
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 Type	No

## Solder Process Data

Max-Duration	10
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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	SAS / SATA Plugs

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