



Part Number : 879450002

Product Description : 1.27mm Signal Pitch,  
0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-  
2 Receptacle, Right-Angle, Surface Mount, "Z"  
Height of 7.07mm, with Straight Solder Tab,  
29 Circuits, Lead-Free

Series Number : 87945  
Product Category : I/O Connectors

Status : Active

Documents & Resources

Drawings

Drawing 879450002\_sd.pdf  
Packaging Design Drawing PK-87945-001-001.pdf

3D Models and Design Files


3D Model 879450002\_stp.zip  
Electrical Model Document EE-87945-001-001.pdf

Specifications

Product Specification PS-87945-034-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not 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	87945
Description	1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-2 Receptacle, Right-Angle, Surface Mount, "Z" Height of 7.07mm, with Straight Solder Tab, 29 Circuits, Lead-Free
Application	Board-to-Board
Comments	Solder Tab (Blade) hold-down, no pick and place cap, "Z" Height - 7.07mm
Component Type	Receptacle
Product Family	Serial Attached SCSI (SAS) Connectors
Product Name	SAS 6G,SAS-2
Type	N/A
UPC	822348850716

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	30V

#### Physical

Boot Color	N/A
Circuits Detail	Signal 14, Power 15
Circuits (Loaded)	29
Circuits (maximum)	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	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.644/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
Panel Mount	Yes
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
Wire Size (AWG)	N/A

## 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	SFF 8482 Hard Disk Drive and Backplane Plug

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