



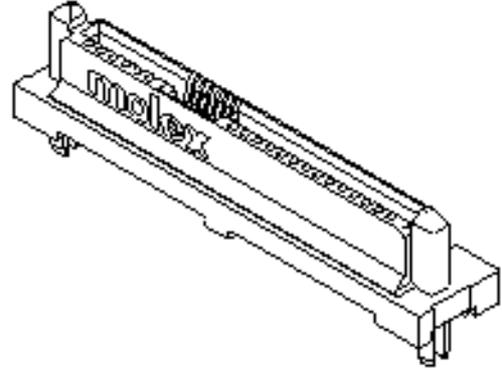
**Part Number :** [878240015](#)

**Product Description :** 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-2 Receptacle, Vertical, Surface Mount, with Surface Mount Solder Tab, 2.54mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape on Reel, Lead-Free

**Series Number :** [87824](#)

**Status :** Active

**Product Category :** [I/O Connectors](#)



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## Documents & Resources

### Drawings

[878240015\\_sd.pdf](#)

[PK-87824-001-001.pdf](#)

### 3D Models and Design Files

[878240015\\_stp.zip](#)

[EE-78012-002-001.pdf](#)

[EE-78164-001-001.pdf](#)

[EE-78695-002-001.pdf](#)

[EE-87824-002-001.pdf](#)

[EE-87824-003-001.pdf](#)

[SP-78012-002-001.zip](#)

[SP-78164-001-001.zip](#)

[SP-87824-003-001.zip](#)

### Specifications

[PS-87824-029-001.pdf](#)

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## 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(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	87824
Description	1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-2 Receptacle, Vertical, Surface Mount, with Surface Mount Solder Tab, 2.54mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape on Reel, Lead-Free
Application	Board-to-Board
Comments	With Pick-and-Place Cap
Component Type	Receptacle
Product Family	Serial Attached SCSI (SAS) Connectors
Product Name	SAS 6G,SAS-2
Type	N/A
UPC	800756687339

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	1.5A
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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	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.446/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.54mm
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
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### 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 Hard Disk Drive and Backplane Plug