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Part Number: [0879700001](#)
Status: **Active**
Overview: Serial Attached SCSI (SAS) Connectors
Description: 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS 6G Receptacle, Vertical, Through Hole, with Straight Solder Tab, 29 Circuits, Lead-Free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-87970-003-001 \(PDF\)](#)
[Packaging Specification PK-87970-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

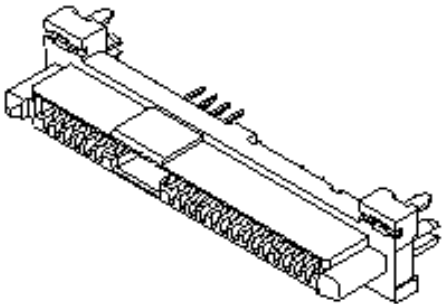
CSA LR19980
UL E29179

General

Product Family I/O Connectors
Series [87970](#)
Application Board-to-Board
Comments No pick and place cap
Component Type Receptacle
Overview Serial Attached SCSI (SAS) Connectors
Product Name SAS 6G
Type N/A
UPC 822348803477

Physical

Boot Color N/A
Circuits (Loaded) 29
Circuits (maximum) 29
Circuits Detail Signal 14, Power 15
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 1.690/g
Number of Rows 2
Orientation Vertical
PC Tail Length 2.20mm, 2.70mm
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 1.80mm
Packaging Type Tray
Panel Mount Yes
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
Surface Mount Compatible (SMC) Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

Halogen-Free

Status

Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS Green Image
ELV Not Relevant
RoHS Phthalates Not Contained

Search Parts in this Series

[87970](#) Series

Mates With

[87679](#) , [87799](#) , [87703](#) , SFF 8482 Hard
Disk Drive and Backplane Plug

Temperature Range - Operating	0°C to +55°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire Size AWG	N/A
Electrical	
Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	30V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-87970-001
Product Specification	PS-87970-003-001
Sales Drawing	SD-87970-001

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