

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0878390017](#)
Status: **Active**
Overview: [Serial Attached SCSI \(SAS\) Connectors](#)
Description: 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-2 Receptacle, Vertical, Hybrid, with Straight Solder Tab, 3.00mm PCB Thickness, Embossed Tape Packaging, with Cap, 29 Circuits, Lead-Free

Documents:	
3D Model	Product Specification PS-87839-041-001 (PDF)
3D Model (PDF)	Packaging Specification PK-87839-001-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

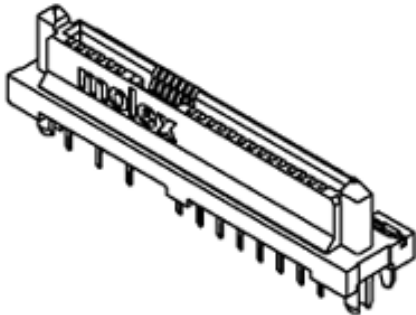
CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	87839
Application	Board-to-Board
Comments	With pick and place cap
Component Type	Receptacle
Overview	Serial Attached SCSI (SAS) Connectors
Product Name	SAS 6G, SAS-2
Type	N/A
UPC	822350321525

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	1.818/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	2.99mm, 3.49mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	3.00mm
Packaging Type	Embossed Tape on Reel
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[87839](#) Series

Mates With

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

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0° to +55°C
Termination Interface: Style	Surface Mount and 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	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Electrical Model Document	EE-87839-001-001, EE-87839-002-001
Packaging Specification	PK-87839-001-001
Product Specification	PS-87839-041-001
Sales Drawing	SD-87839-040-001

This document was generated on 09/14/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[87839-0017](#)