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Part Number: [0878390017](#)
Status: **Active**
Description: 1.27mm (.050") Signal Pitch, 0.80mm (.031") SCSI Pitch, 1.27mm (.050") Power Pitch SAS Receptacle, Vertical, Hybrid, with Straight Solder Tab, 3.00mm (.120") PCB Thickness, Embossed Tape Packaging, with Cap, 29 Circuits, Lead free

Documents:

[3D Model](#) [Product Specification PS-87839-041 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

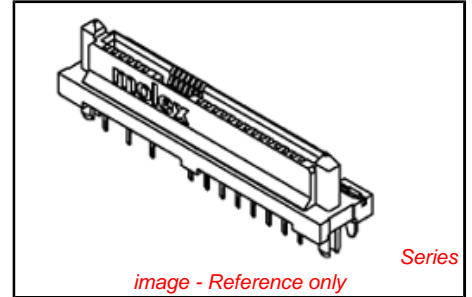
CSA LR19980
 UL E29179

General

Product Family I/O Connectors
 Series 87839
 Application Board-to-Board
 Comments With pick and place cap
 Component Type Receptacle
 Product Name SAS
 Type N/A

Physical

Boot Color N/A
 Circuits (Loaded) 29
 Circuits (maximum) 29
 Circuits Detail Signal 7, SCSI 7, 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, Tin
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 2.99mm (.118"), 3.49mm (.137")
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 3.00mm (.118")
 Packaging Type Embossed Tape on Reel
 Panel Mount Yes
 Pitch - Mating Interface 0.80mm (.031"), 1.27mm (.050")
 Pitch - Termination Interface 0.80mm (.031"), 1.27mm (.050")
 Plating min - Mating 0.762µm (30µ")
 Plating min - Termination 2.540µm (100µ")
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating 0°C to +55°C
 Termination Interface: Style Surface Mount, Through Hole
 Waterproof / Dustproof No



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not Low-Halogen



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
 87839Series

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

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) 10

Lead-free Process Capability Reflow Capable (SMT only)

Max. Cycles at Max. Process Temperature 1

Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Product Specification PS-87839-041

Sales Drawing SD-87839-040

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