molex®
one company › a world of innovation

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0878240015

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, Surface Mount, with Surface Mount Solder Tab, 2.54mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape on Reel, Lead-Free

Documents:
- 3D Model
- Drawing (PDF)
- 3D Model (PDF)
- Product Specification PS-87824-029-001 (PDF)
- Packaging Specification PK-87824-001-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Series image - Reference only

Agency Certification
CSA	LR19980
UL	E29179

General
Product Family	I/O Connectors
Series	87824
Application	Board-to-Board
Comments	With Pick-and-Place Cap
Component Type	Receptacle
Electrical Model	Yes
Overview	Serial Attached SCSI (SAS) Connectors
Product Name	SAS 6G, SAS-2
Type	N/A
UPC	800756687339

Physical
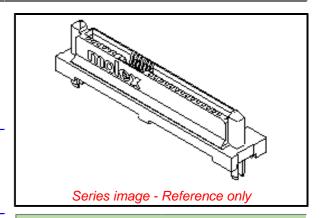|	
Boot Color	N/A
Circuits (Loaded)	29
Circuits (maximum)	29
Circuits Detail	Signal 14, Power 15
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Gender	Female
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.446/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.54mm
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

EU ELV
Not Relevant

EU RoHS   **China 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
87824 Series

Mates With
SFF-8482 Hard Disk Drive and Backplane Plug. 87679 Serial ATA Device Plug with Latch. 87703 Serial ATA Device Plug without Jumper. 87799 Serial ATA Device Plug with Jumper

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0° to +55°C
Termination Interface: Style	Surface Mount
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-78012-002-001, EE-78164-001-001, EE-78695-002-001, EE-87824-002-001, EE-87824-003-001
Packaging Specification	PK-87824-001-001
Product Specification	PS-87824-029-001
S-Parameter Model	SP-78012-002-001, SP-78164-001-001, SP-87824-003-001
Sales Drawing	SD-87824-031-001

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for I/O Connectors *category:*

Click to view products by Molex *manufacturer:*

Other Similar products are found below :

571763P 58098-0628 72.250.1628.2 72.250.2428.2 74720-0505 76.350.0729.0 76871-1403 FCN-244F080-G/1 FCN-260A9920 PCR-E36PM PCS-XE26MA+ G38A71314B 1571250010 157-22500-3 MS3471L14-19P L/C 192991-0703 172501-4002 172501-6002 FCN-260C008-A/L0 FCN-260C024-AL0 FCN-261Z008 2000314-1 200331-1 PCR-E36FC+ PCS-E28FS+ PCS-XE26SLFD+ PCS-XE26SLFDT+ G730VID08BDC24 U90B2054081210 38113800006 DP3AR020WQ1R200 Z4.102.0680.0 500-1040 500-1052 500-1054 ZP-4008-66L 0709821002 DX40-20P(55) 5554841-1 MS3474W18-8P-LC* SM3106F14S-7S-LC U90B3054061110 U65-E04-4020 ZPF00000000097891 747360449 10099439-003C-TRLF 10137239-0021LF E9320-001-01 10137239-0011LF 70289-001LF