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Part Number: [0787280002](#)

Status: **Active**

Overview: Serial Attached SCSI (SAS) Connectors and Cable Assemblies

Description: 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Vertical, Surface Mount, with Side Solder Tabs, 1.60mm PCB Thickness, 29 Circuits, with Cap, 45.75mm Length, 5.50mm Width, Embossed Tape on Reel, Lead-Free

Documents:

3D Model	Packaging Specification PK-78728-003 (PDF)
Drawing (PDF)	Test Summary TS-78728-001 (PDF)
Product Specification PS-78728-001 (PDF)	Test Summary TS-78728-002 (PDF)
Application Specification AS-78728-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

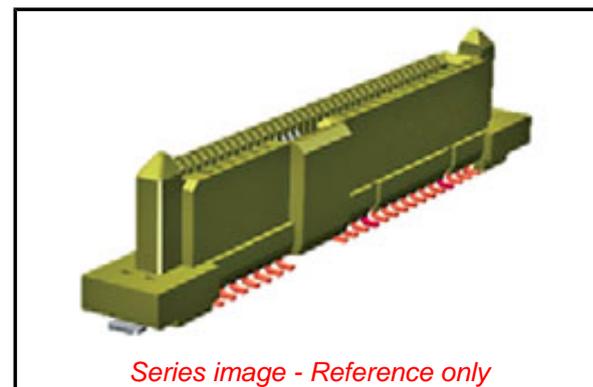
CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	78728
Application	Board-to-Board
Component Type	Receptacle
Electrical Model	Yes
Overview	Serial Attached SCSI (SAS) Connectors and Cable Assemblies
Product Name	SAS 3.0
Type	N/A
UPC	887191309255

Physical

Circuits (Loaded)	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	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.544/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Panel Mount	No
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/79/2015 (17
December 2015)

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
ELV

Green Image
Not Relevant

Search Parts in this Series

[78728](#) Series

Mates With

SAS / SATA plug

Temperature Range - Operating	0°C to +55°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	30V

Solder Process Data

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Application Specification	AS-78728-001
Electrical Model Document	EE-78728-001
Packaging Specification	PK-78728-003
Product Specification	PS-78728-001
S-Parameter Model	SP-78728-001
Sales Drawing	SD-78728-001
Signal Integrity Report	SI-78728-001
Test Summary	TS-78728-001, TS-78728-002

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