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Part Number: [0787580001](#)
Status: **Active**
Overview: Serial Attached SCSI (SAS) Connectors
Description: 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3/PCIe-3 Plug, Right-Angle, Surface Mount, with Solder Tab, 0.85mm PegLength, 0.82mm PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free

Documents:

3D Model	Application Specification AS-78758-001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-78758-001-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-78758-001-001 (PDF)	

Agency Certification

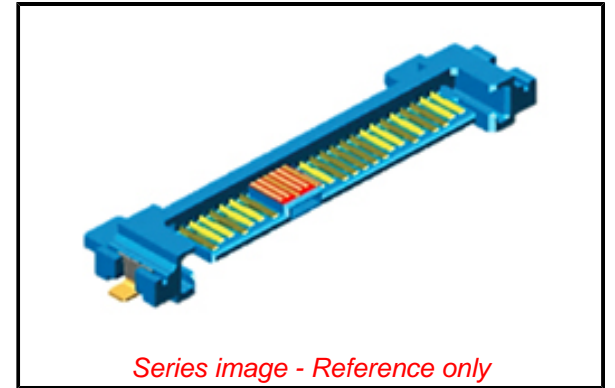
CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	78758
Application	Board-to-Board
Comments	With Cap
Component Type	Plug
Electrical Model	Yes
Overview	Serial Attached SCSI (SAS) Connectors
Product Name	SAS-3/PCIe-3, U.2 (SFF-8639)
Type	N/A
UPC	887191586373

Physical

Circuits (Loaded)	68
Circuits Detail	Signal 53, Power 15
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	1.762/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	0.82mm
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



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

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[78758](#) Series

Mates With

U.2 (SFF-8639) Receptacle [78757](#) , SAS / SATA Receptacles

Temperature Range - Operating	0° 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-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Engineering Number	NT501-7060
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Reference - Drawing Numbers

Application Specification	AS-78758-001-001
Electrical Model Document	EE-151124-0001-001, EE-78757-001-001, EE-78757-002-001, EE-78776-001-001, EE-78777-001-001, EE-78784-001-001, EE-78798-001-001, EE-78809-001-001
Packaging Specification	PK-78758-001-001
Product Specification	PS-78758-001-001
S-Parameter Model	SP-151124-0001-001, SP-78757-001-001, SP-78757-002-001, SP-78776-001-001, SP-78777-001-001, SP-78784-001-001, SP-78798-001-001, SP-78809-001-001
Sales Drawing	SD-78758-001-000
Signal Integrity Report	SI-78757-001-001

This document was generated on 09/06/2021

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