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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:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-78758-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-78758-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-78758-001-001 (PDF)</a>	

**Agency Certification**

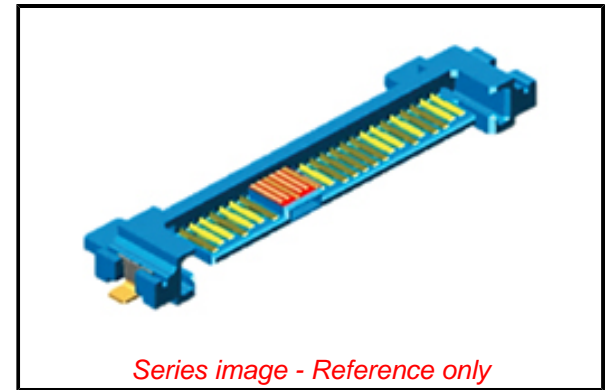
CSA	LR19980
UL	E29179

**General**

Product Family	I/O Connectors
Series	<a href="#">78758</a>
Application	Board-to-Board
Comments	With Cap
Component Type	Plug
Electrical Model	Yes
Overview	<a href="#">Serial Attached SCSI (SAS) Connectors</a>
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



*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

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

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