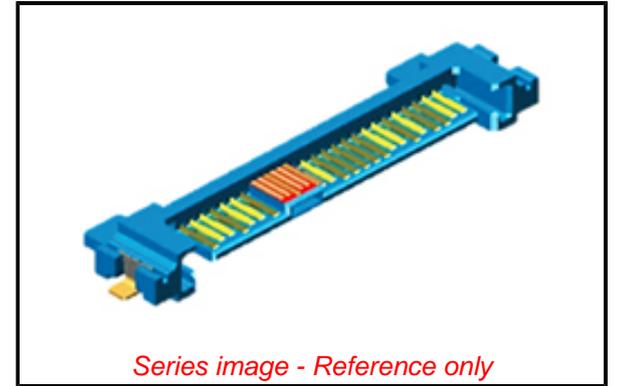


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**Part Number:** [0787580001](#)  
**Status:** **Active**  
**Overview:** Serial Attached SCSI (SAS) Connectors  
**Description:** 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch U.2 (SFF-8639) Plug, Right-Angle, Surface Mount, with Solder 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 (PDF)</a>
<a href="#">Product Specification PS-78758-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (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, With Cap
Component Type	Plug
Electrical Model	Yes
Overview	<a href="#">Serial Attached SCSI (SAS) Connectors</a>
Product Name	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
Temperature Range - Operating	0° to +55°C

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/88/2018 (15  
January 2019)

**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

Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
<b>Electrical</b>	
Current - Maximum per Contact	1.5A
Voltage - Maximum	30V
<b>Solder Process Data</b>	
Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
<b>Material Info</b>	
Engineering Number	NT501-7060
<b>Reference - Drawing Numbers</b>	
Application Specification	AS-78758-001-001
Electrical Model Document	EE-151124-0001, EE-78757-001, EE-78757-002, EE-78776-001, EE-78777-001, EE-78784-001, EE-78798-001, EE-78809-001
Packaging Specification	PK-78758-001
Product Specification	PS-78758-001-001
S-Parameter Model	SP-151124-0001, SP-78757-001, SP-78757-002, SP-78776-001, SP-78777-001, SP-78784-001, SP-78798-001, SP-78809-001
Sales Drawing	SD-78758-001-000
Signal Integrity Report	SI-78757-001

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