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Part Number: [0787580001](#)

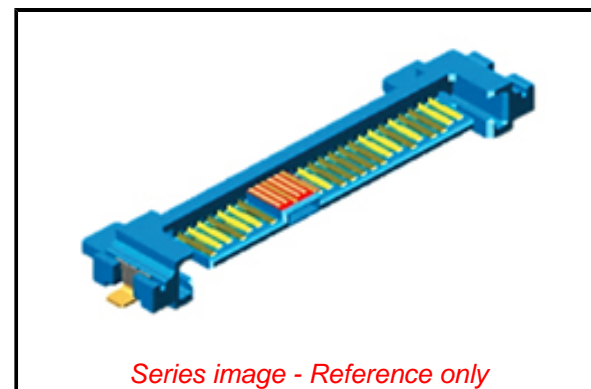
Status: **Active**

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 Peg Length, 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 (PDF)
Product Specification PS-78758-001-001 (PDF)	RoHS Certificate of Compliance (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	<u>Serial Attached SCSI (SAS) Connectors</u>
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°C to +55°C

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

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	Green Image
ELV	Not Relevant
RoHS Phthalates	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

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-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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