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Part Number: [0787570001](#)

Status: **Active**

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

Description: 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch U.2 (SFF-8639) Receptacle, Vertical, Surface Mount, with Front Solder Tab, 2.00mm Peg Length, 1.60mm PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free

Documents:

[3D Model](#)

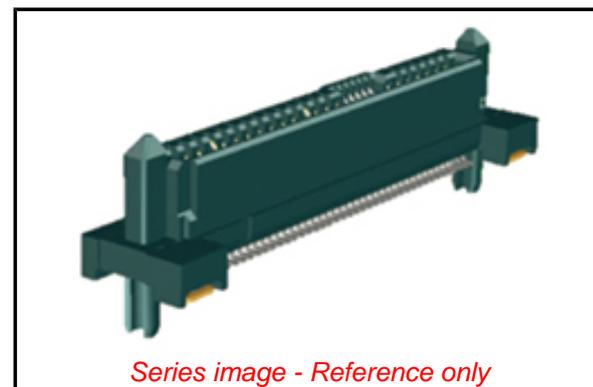
[Drawing \(PDF\)](#)

[Product Specification PS-78757-001 \(PDF\)](#)

[Application Specification AS-78757-001 \(PDF\)](#)

[Test Summary TS-78757-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)



Series image - Reference only

Agency Certification

CSA LR19980
UL E29179

General

Product Family I/O Connectors
Series [78757](#)
Application Board-to-Board
Comments With Cap
Component Type Receptacle
Electrical Model Yes
Overview [Serial Attached SCSI \(SAS\) Connectors and Cable Assemblies](#)
Product Name U.2 (SFF-8639)
Type N/A
UPC 887191240602

Physical

Circuits (Loaded) 68
Circuits Detail Signal 53, 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 Liquid Crystal Polymer
Net Weight 1.887/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

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

[78757](#) Series

Mates With

U.2 (SFF-8639) Plug [78758](#) , SAS / SATA Plugs

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-78757-001
Electrical Model Document	EE-78757-001, EE-78757-002
Product Specification	PS-78757-001
S-Parameter Model	SP-78757-001, SP-78757-002
Sales Drawing	SD-78757-001
Signal Integrity Report	SI-78757-001
Test Summary	TS-78757-001

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