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Part Number: [0788090001](#)

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) Receptacle, Right-Angle, Surface Mount, with Forklock, 0.93mm Height, 3.50mm Peg Length, 3.00mm PCB Thickness, 68 Circuits, Embossed Tape and Reel, Lead-Free

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-78809-001-001 \(PDF\)](#)

[Application Specification AS-78809-001-001 \(PDF\)](#)

[Packaging Specification PK-78809-001-000 \(PDF\)](#)

[Test Summary TS-78809-001-001 \(PDF\)](#)

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

Agency Certification

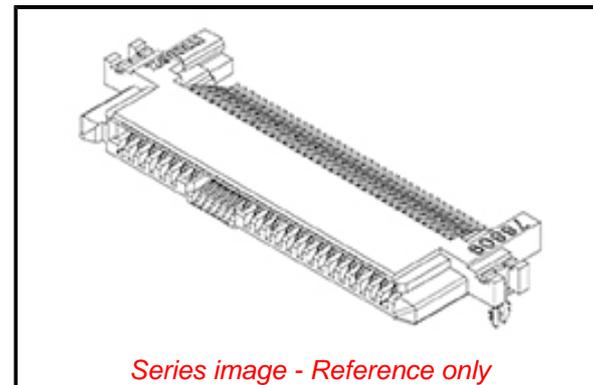
CSA LR19980
UL E29179

General

Product Family I/O Connectors
Series [78809](#)
Application Board-to-Board
Comments Without Cap, Without Cap
Component Type Receptacle
Electrical Model Yes
Overview Serial Attached SCSI (SAS) Connectors
Product Name U.2 (SFF-8639)
Type N/A
UPC 887191701844

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 2.371/g
Number of Rows 2
Orientation Right Angle
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 3.00mm
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 - ED/71/2019 (16 July 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

[78809 Series](#)

Mates With

U.2 (SFF-8639) Plugs|SFF-8482 and SFF-8680 Plugs|SAS / SATA Plugs

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-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Application Specification	AS-78809-001-001
Electrical Model Document	EE-78809-001
Packaging Specification	PK-78809-001-000
Product Specification	PS-78809-001-001
S-Parameter Model	SP-78809-001
Sales Drawing	SD-78809-001
Test Summary	TS-78809-001-001

This document was generated on 10/11/2019

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