

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

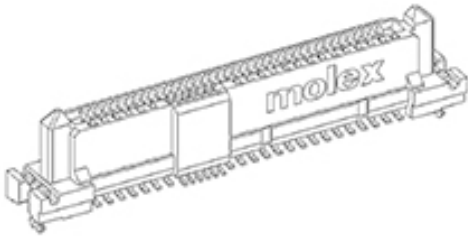
Part Number: [0787770001](#)
Status: **Active**
Overview: [Serial Attached SCSI \(SAS\) Connectors](#)
Description: 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3/PCIe-3 Receptacle, Vertical, Surface Mount, with Solder Tab, 8.15mm Height, 1.00mm Peg Length, 2.36mm PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free

Documents:
[3D Model](#) [Application Specification AS-78777-001-001 \(PDF\)](#)
[3D Model \(PDF\)](#) [Packaging Specification PK-78777-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-78777-001-001 \(PDF\)](#)

Agency Certification
CSA LR19980
UL E29179

General
Product Family I/O Connectors
Series [78777](#)
Application Board-to-Board
Comments With Cap
Component Type Receptacle
Electrical Model Yes
Overview [Serial Attached SCSI \(SAS\) Connectors](#)
Product Name SAS-3/PCIe-3, U.2 (SFF-8639)
Taxonomy I/O Connectors
Type N/A
UPC 887191426808

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 Matte Tin
Material - Resin Liquid Crystal Polymer
Net Weight 1.806/g
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 2.36mm
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



Series image - Reference only

EU ELV
Not Relevant

EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - D(2022)4187-DC (10 June 2022)	
Halogen-Free	
Status	
Low-Halogen	
For more information, please visit Contact US	
China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
[78777 Series](#)

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

Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0° to +55°C
Termination Interface: Style	Surface Mount
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	
Reference - Drawing Numbers	
Application Specification	AS-78777-001-001
Electrical Model Document	EE-78777-001-001
Packaging Specification	PK-78777-001-001
Product Specification	PS-78777-001-001
S-Parameter Model	SP-78777-001-001
Sales Drawing	SD-78777-001-000

This document was generated on 10/20/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION