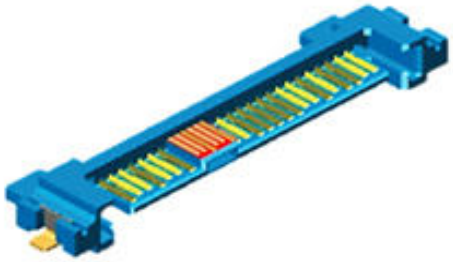
Part Number : 787580001
Product Description : 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3/PCIe-3 Plug, Right-Angle, Surface Mount, with Solder Tab, 0.85mm Peg Length, 0.82mm PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free
Series Number : 78758
Status : Active
Product Category : I/O Connectors
Engineering Number : NT501-7060



Documents & Resources

Drawings

787580001_sd.pdf

PK-78758-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

EE-151124-0001-001.pdf

EE-78757-001-001.pdf

EE-78757-002-001.pdf

EE-78776-001-001.pdf

EE-78777-001-001.pdf

EE-78784-001-001.pdf

EE-78798-001-001.pdf

EE-78809-001-001.pdf

SI-78757-001-001.pdf

SP-151124-0001-001.zip

SP-78757-001-001.zip

SP-78757-002-001.zip

SP-78776-001-001.zip

SP-78777-001-001.zip

SP-78784-001-001.zip

SP-78798-001-001.zip

SP-78809-001-001.zip

Specifications

AS-78758-001-001.pdf

PS-78758-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	I/O Connectors
Series	78758
Description	1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3/PCIe-3 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
Application	Board-to-Board
Comments	With Cap
Component Type	Plug
Product Name	SAS-3/PCIe-3,U.2 (SFF-8639)
Type	N/A
UPC	887191586373

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	30V

Physical

Circuits Detail	Signal 53, Power 15
Circuits (Loaded)	68
Color - Resin	Black
Durability (mating cycles max)	500
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	1.763/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	0.82mm
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
Temperature Range - Operating	0° to +55°C
Termination Interface Style	Surface Mount
Waterproof / Dustproof	No

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
SAS-3/PCIe-3 Vertical Receptacles	78757
Mates With	SAS / SATA Receptacles