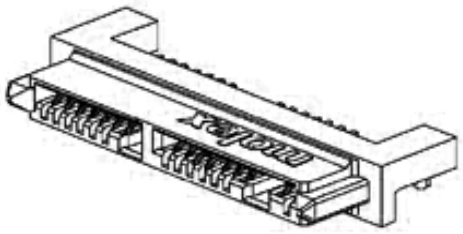
Part Number : 781090001
Product Description : 1.27mm Pitch Micro Serial ATA Device Receptacle for 45.72mm HDD/SSD, Right-Angle, Surface Mount, Mid-Mount, 16 Circuits, Lead-Free
Series Number : 78109
Status : Obsolete
Product Category : PCB Headers and Receptacles



Obsolete

Documents & Resources

Drawings

781090001_sd.pdf

PK-78109-100-001.pdf

781090001_stp.zip

EE-78109-001-001.pdf

SP-78109-001-001.zip

Specifications

PS-78109-001-001.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	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
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	Obsolete
Category	PCB Headers and Receptacles
Series	78109
Description	1.27mm Pitch Micro Serial ATA Device Receptacle for 45.72mm HDD/SSD, Right-Angle, Surface Mount, Mid-Mount, 16 Circuits, Lead-Free
Application	Board-to-Board, Signal
Comments	With Optional Manufacturing Pins (S1 to S7, P1 to P9)
Component Type	PCB Receptacle
Product Name	Micro Serial ATA,Serial ATA
UPC	822350889117

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.5A
Grounding to PCB	Yes

Obsolete

Voltage - Maximum	30V

Physical

Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	1.521/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
Pitch - Mating Interface	1.27mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW

Obsolete

Max-Cycle	1
Max-Temp	260

Obsolete