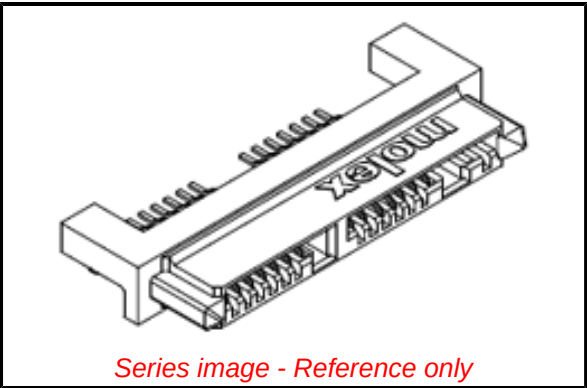


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Part Number: [0781091001](#)
Status: **Active**
Overview: [Micro Serial ATA Connectors](#)
Description: 1.27mm Pitch Micro Serial ATA Device Receptacle for 45.72mm HDD/SSD, Right-Angle, Surface Mount, Mid-Mount, 14 Circuits, Lead-Free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-78109-001-001 \(PDF\)](#)
[Packaging Specification PK-78109-100 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Receptacles
Series	78109
Application	Board-to-Board, Signal
Comments	Without Optional Manufacturing Pins (S1 to S7, P1 to P7), Without Optional Manufacturing Pins (S1 to S7, P1 to P7)
Electrical Model	Yes
Overview	Micro Serial ATA Connectors
Product Name	Micro Serial ATA, Serial ATA
UPC	884982032996
Physical	
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
Durability (mating cycles max)	500
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
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
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
Electrical	
Current - Maximum per Contact	1.5A



Series image - Reference only

EU ELV Not Reviewed	
EU RoHS Not Reviewed	China RoHS
REACH SVHC Not Reviewed	
Halogen-Free Status Not Reviewed	
For more information, please visit Contact US	
China ROHS	Not Reviewed
ELV	Not Reviewed
RoHS Phthalates	Not Reviewed

Search Parts in this Series
[78109](#) Series

Mates With
[78103](#) , [78283](#) and [78285](#) Micro SATA Device Plugs

Grounding to PCB
Voltage - Maximum

Yes
30V

Material Info

Reference - Drawing Numbers

Electrical Model Document
Packaging Specification
Product Specification
S-Parameter Model
Sales Drawing

EE-78109-001
PK-78109-100
PS-78109-001-001
SP-78109-001
SD-78109-001

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