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Part Number:

78109-1001

Status:

Active

Overview:

Micro Serial ATA Connectors

Description:

1.27mm Pitch Micro Serial ATA Device Receptacle for 45.72mm HDD/SSD, Right Angle, SMT, Mid-Mount, 14 Circuits, Lead-Free

Documents:

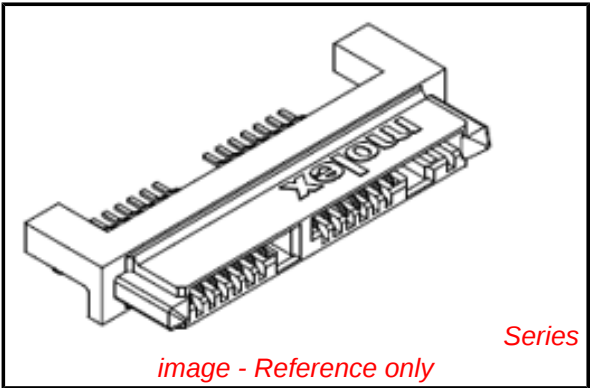
3D Model

Drawing (PDF)

Product Specification PS-78109-001 (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)
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 Compliant	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°C to +105°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	1.5A
Grounding to PCB	Yes



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

78109Series

Mates With

78103 , 78283 and 78285 Micro SATA Device Plugs

Voltage - Maximum

30V

Material Info

Reference - Drawing Numbers

Electrical Model Document	EE-78109-001
Product Specification	PS-78109-001
S-Parameter Model	SP-78109-001
Sales Drawing	SD-78109-001

This document was generated on 11/11/2013

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