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Part Number:

78320-1001

Status:

Active

Overview:

Micro Serial ATA Connectors

Description:

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

Documents:

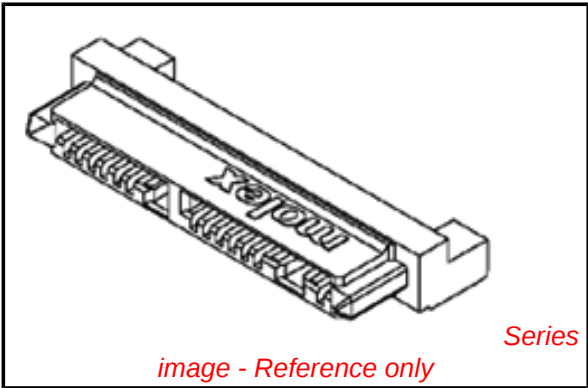
3D Model

Drawing (PDF)

Product Specification PS-78320-002 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Receptacles
Series	78320
Application	Board-to-Board, Signal
Comments	Without Optional Manufacturing Pins (S1 to S7 and P1 to P7) Void Pins P8 and P9
Overview	Micro Serial ATA Connectors
Product Name	Micro Serial ATA, Serial ATA
UPC	884982033009
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
Net Weight	1.619/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface	1.27mm, 5.08mm
Pitch - Termination Interface	1.27mm, 5.08mm
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



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Not Low-Halogen

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

78320Series

Mates With

78103 , 78283 and 78285 Micro SATA Device Plugs

Grounding to PCB	Yes
Voltage - Maximum	30V

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Electrical Model Document	EE-78285-001, EE-78320-001
Product Specification	PS-78320-002
Sales Drawing	SD-78320-001

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