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Part Number:

0783200002

Status:

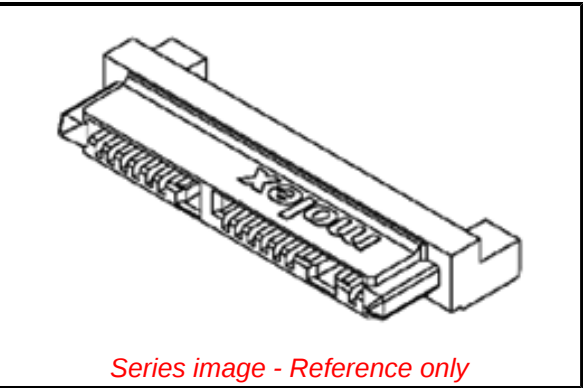
Active

Overview:

Micro Serial ATA Connectors

Description:

1.27mm Pitch High Speed Micro Serial ATA Device Receptacle for 45.72mm HDD/SSD, Surface Mount, Right Angle, Top Mount, with Support Rib, Tape on Reel, Lead-Free



Documents:

3D Model

Drawing (PDF)

Product Specification PS-78320-002-001 (PDF)

Packaging Specification PK-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	With Optional Manufacturing Pins (S1 to S7 and P1 to P9) With Central Support Rib on Underside of Housing
Overview	Micro Serial ATA Connectors
Product Name	Micro Serial ATA, Serial ATA
UPC	883906370312
Physical	
Circuits (Loaded)	16
Circuits (maximum)	16
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	1.526/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
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

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -

ED/30/2017 (7 July

2017)

Halogen-Free

Status

Not Low-Halogen

Need more information on product

environmental compliance?

Email productcompliance@molex.com

Please visit the [Contact Us](#) section for any

non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

78320 Series

Mates With

78103 , 78283 and 78285 Micro SATA

Device Plugs

Electrical

Current - Maximum per Contact	1.5A
Grounding to PCB	Yes
Voltage - Maximum	30V

Solder Process Data

Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Electrical Model Document	EE-78285-001, EE-78320-001
Packaging Specification	PK-78320-002
Product Specification	PS-78320-002-001
S-Parameter Model	SP-78320-001
Sales Drawing	SD-78320-002

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