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Part Number: 0783200001

Status: Active Overview: micro sata

1.27mm (.050") Pitch High Speed Micro Serial ATA Device Receptacle for 1.8" HDD/ **Description:** 

SSD, SMT, Right Angle, Top Mount, 16 Circuits, Tray, Lead free

**Documents:** 

Product Specification PS-78320-002 (PDF) 3D Model Drawing (PDF) RoHS Certificate of Compliance (PDF)

**Agency Certification** 

LR19980 CSA UI E29179

General

**Product Family PCB** Receptacles

Series 78320

Board-to-Board Application Overview micro\_sata

Micro Serial ATA, Serial ATA **Product Name** 

**Physical** 

Circuits (Loaded) 16 Circuits (maximum) 16

Circuits Detail With optional manufacturing pins (S1 to S7 and P1 to

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

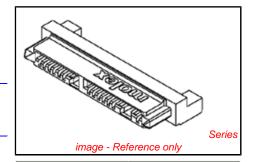
Material - Resin Nylon Number of Rows

Orientation Right Angle PCB Locator Yes **PCB** Retention Yes Packaging Type Tray

Pitch - Mating Interface (in) 0.050 In, 0.200 In Pitch - Mating Interface (mm) 1.27 mm, 5.08 mm Pitch - Term. Interface (in) 0.050 ln, 0.200 ln Pitch - Term. Interface (mm) 1.27 mm, 5.08 mm

Plating min: Mating (µin) Plating min: Mating (µm) 0.76 Plating min: Termination (µin) 100 Plating min: Termination (µm) 2.54 Polarized to Mating Part Yes Polarized to PCB Yes Stackable

-40°C to +105°C Temperature Range - Operating Termination Interface: Style Surface Mount



**EU RoHS** China RoHS **ELV and RoHS** Compliant **REACH SVHC** 

Contains SVHC: No Halogen-Free Status

Not Halogen-Free

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

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) 10

Lead-free Process Capability

Max. Cycles at Max. Process Temperature

Reflow Capable (SMT only)

1

Process Temperature max. C 260

## **Material Info**

# **Reference - Drawing Numbers**

Packaging Specification PK-78320-001
Product Specification PS-78320-002
Sales Drawing SD-78320-001

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