

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

78320-1001

Status:

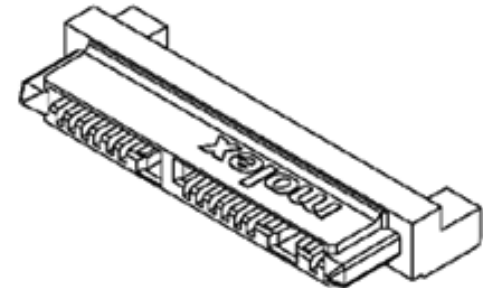
Active

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



Series

image - Reference only

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

Series

Application

Comments

PCB Receptacles

78320

Board-to-Board, Signal

Without Optional Manufacturing Pins (S1 to S7 and P1 to P7)
Void Pins P8 and P9

Overview

Product Name

UPC

Micro Serial ATA Connectors

Micro Serial ATA, Serial ATA

884982033009

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Net Weight

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface

Pitch - Termination Interface

Plating min - Mating

Plating min - Termination

Polarized to Mating Part

Polarized to PCB

Stackable

Temperature Range - Operating

Termination Interface: Style

14

14

Black

500

94V-0

No

Yes

Yes

Yes

Copper Alloy

Gold

Tin

Nylon

1.619/g

1

Right Angle

Yes

Yes

Tray

1.27mm, 5.08mm

1.27mm, 5.08mm

0.762µm

2.540µm

Yes

Yes

No

-40°C to +105°C

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

This document was generated on 11/11/2013

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

78320-1001