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Part Number: [78500-0001](#)
Status: **Active**
Overview: [Micro Serial ATA Connectors](#)
Description: 1.27mm Pitch Micro Serial ATA Device Receptacle for 45.72mm SSD/HDD, SMT, Vertical, with Pegs and Kapton Tape, 16 Circuits, Embossed Tape on Reel, Lead-Free

Documents:
[3D Model](#) [Product Specification PS-78500-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

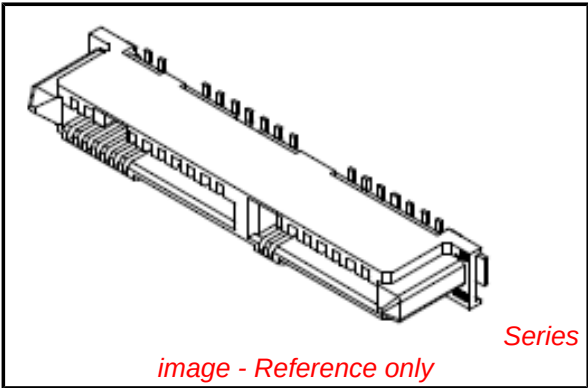
Product Family PCB Receptacles
Series [78500](#)
Application Board-to-Board, Signal
Comments Straight connector base; connector width: 4.15mm
Electrical Model Yes
Overview [Micro Serial ATA Connectors](#)
Product Name Micro Serial ATA, Serial ATA
UPC 883906960575

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 No
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Net Weight 0.717/g
Number of Rows 1
Orientation Vertical
PCB Locator Yes
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface 1.27mm
Pitch - Termination 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 0°C to +55°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
Low-Halogen



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
[78500Series](#)

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-78283-001
Product Specification	PS-78500-001
S-Parameter Model	SP-78283-001
Sales Drawing	SD-78500-001
Signal Integrity Report	SI-78283-001

This document was generated on 11/11/2013

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