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Part Number: [78283-0001](#)
Status: **Active**
Overview: [Micro Serial ATA Connectors](#)
Description: 1.27mm Pitch Micro Serial ATA Device Plug, Right Angle, SMT, without with flanged tabbed housing, 16 circuits, Tape on Reel, Lead-Free

Documents:

[3D Model](#) [Product Specification PS-78283-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

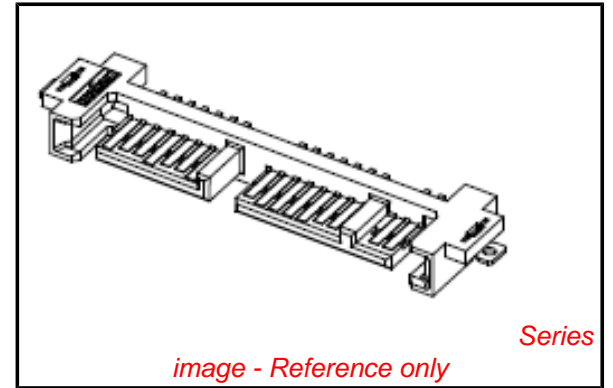
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [78283](#)
 Application Board-to-Board, Signal
 Overview [Micro Serial ATA Connectors](#)
 Product Name Micro Serial ATA, Serial ATA
 UPC 800756722818

Physical

Breakaway No
 Circuits (Loaded) 16
 Circuits (maximum) 16
 Color - Resin Black
 Durability (mating cycles max) 500
 First Mate / Last Break Yes
 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 Gold
 Material - Resin High Temperature Thermoplastic
 Net Weight 0.995/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 0.051µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Robotic Placement Pick and Place Cap
 Shrouded No
 Stackable No
 Temperature Range - Operating 0°C to +55°C
 Termination Interface: Style Surface Mount



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

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

[78283Series](#)

Mates With

[78109](#) , [78320](#) , [78492](#) , [78500](#) Receptacles

Electrical

Current - Maximum per Contact 1.5A
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-78283-001, RPS-78283-002, RPS-78283-102
S-Parameter Model SP-78283-001
Sales Drawing SD-78283-001

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