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Part Number: [0877131001](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 3.70mm (.145") Plastic Locating Peg, 0.76µm (30µ") Gold (Au) Selective Plating, 22 Circuits, Leadfree

Documents:

[3D Model](#) [Product Specification PS-87713-016 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [87713](#)
Application Board-to-Board
Comments 3.70mm (.145") Plastic Locating Peg
Product Literature Order No SNG-029
Product Name Serial ATA

Physical

Circuits (Loaded) 22
Circuits Detail Power 15 pins|Signal 7 pins
Durability (mating cycles max) 500
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Vertical
PCB Locator Yes
PCB Retention None
Packaging Type Tray
Pitch - Mating Interface (in) 0.050 In
Pitch - Mating Interface (mm) 1.27 mm
Plating min: Mating (µin) 30
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
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Surface Mount

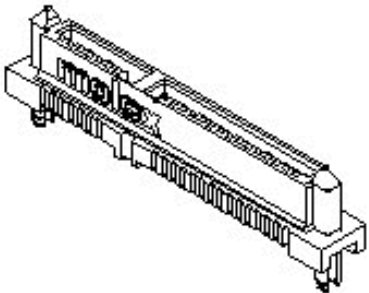
Electrical

Current - Maximum 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



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

China RoHS



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Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[87713Series](#)

Mates With
[87679](#) , [87799](#) , [87703](#)

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-87713-016
SD-87713-001

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