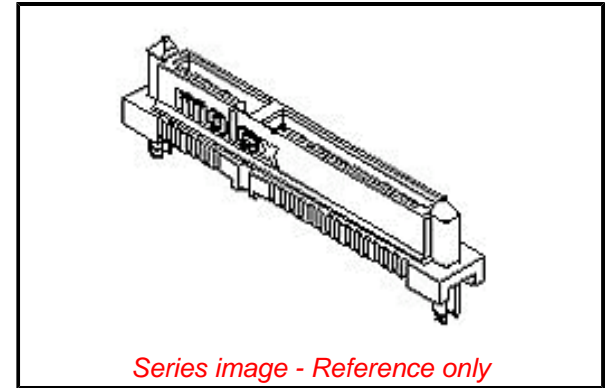


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Part Number: [0877131001](#)
Status: **Active**
Overview: Serial ATA Connectors
Description: 1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 3.70mm Plastic Locating Peg, 0.76µm Gold (Au) Selective Plating, 22 Circuits, Lead-Free

Documents:

[3D Model](#) [Packaging Specification PK-87713-100-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-87713-016-001 \(PDF\)](#)



Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [87713](#)
 Application Board-to-Board, Signal
 Comments 3.70mm Plastic Locating Peg
 Component Type PCB Receptacle
 Overview [Serial ATA Connectors](#)
 Product Name Serial ATA
 Taxonomy PCB Headers and Receptacles
 UPC 822348699360

Physical

(p)ower-(s)ignal Configuration 15p - 7s
 Circuits (Loaded) 22
 Circuits (maximum) 22
 Durability (mating cycles max) 500
 Flammability 94V-0
 Glow-Wire Capable No
 Lock to Mating Part Yes
 Material - Metal Copper Alloy
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 1.467/g
 Number of Rows 1
 Orientation Vertical
 PCB Locator Yes
 PCB Retention None
 Packaging Type Tray
 Pitch - Mating Interface 1.27mm
 Plating min - Mating 0.762µm
 Plating min - Termination 2.540µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Surface Mount Compatible (SMC) N/A
 Temperature Range - Operating -40° to +105°C
 Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 1.5A
 Voltage - Maximum 30V

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 D(2022)4187-DC (10
 June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[87713 Series](#)

Mates With

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Electrical Model Document	EE-78178-001-001, EE-78328-001-001, EE-78328-002-001, EE-87703-003-001, EE-87713-001-001
Packaging Specification	PK-87713-100-001
Product Specification	PS-87713-016-001
S-Parameter Model	SP-87713-001-001
Sales Drawing	SD-87713-001-001

This document was generated on 01/13/2023

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