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Part Number: [0877791001](#)
Status: **Active**
Overview: Serial ATA Connectors
Description: 1.27mm Pitch Serial ATA Backplane Receptacle, Through Hole, Vertical, Standard Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Documents:

[3D Model](#) [Product Specification PS-87779-011-001 \(PDF\)](#)
[3D Model \(PDF\)](#) [Packaging Specification PK-87779-100-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [87779](#)
 Application Board-to-Board, Signal
 Electrical Model Yes
 Overview [Serial ATA Connectors](#)
 Product Name Serial ATA
 UPC 822348731916

Physical

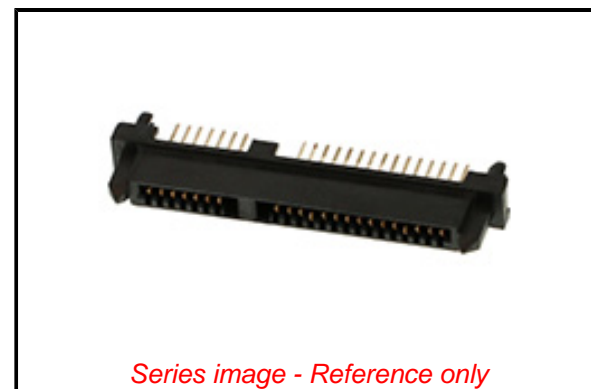
(p)ower-(s)ignal Configuration 15p - 7s
 Circuits (Loaded) 22
 Circuits (maximum) 22
 Durability (mating cycles max) 500
 Flammability 94V-0
 Glow-Wire Capable No
 Lock to Mating Part Yes
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Net Weight 1.354/g
 Number of Rows 1
 Orientation Vertical
 PC Tail Length 3.45mm
 PCB Locator Yes
 PCB Retention None
 PCB Thickness - Recommended 0.80mm, 2.50mm
 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) Yes
 Temperature Range - Operating -40° to +105°C
 Termination Interface: Style Surface Mount

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 010
 Lead-freeProcess Capability SMC&WAVE



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 D(2021)4569-DC (8
 July 2021)

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

[87779](#) Series

Mates With

[87703](#) Serial ATA Combo Plug, [87799](#) Serial ATA Combo Plug

Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Electrical Model Document	EE-87779-001-001, EE-87779-002-001
Packaging Specification	PK-87779-100-001
Product Specification	PS-87779-011-001
S-Parameter Model	SP-87779-002-001
Sales Drawing	SD-87779-020-001

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