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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

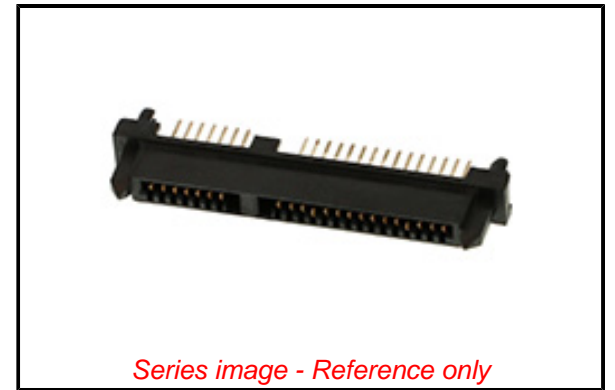
(p)ower-(s)ignal Configuration	15p - 7s
Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	1.354/g
Number of Rows	1
Orientation	Vertical
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

This document was generated on 09/02/2021

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