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Part Number: [0877791001](#)
Status: **Active**
Overview: [Serial ATA Connectors and Cable Assemblies](#)
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	Packaging Specification PK-87779-100 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-87779-011-001 (PDF)	Product Literature (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 and Cable Assemblies
Product Literature Order No	SNG-029
Product Name	Serial ATA
UPC	822348731916

Physical

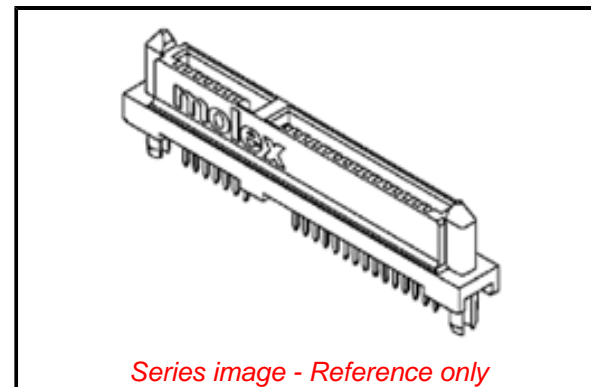
(p)ower-(s)ignal Configuration	15p - 7s
Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	1.354/g
Number of Rows	1
Orientation	Vertical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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/30/2017 (7 July 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[87779](#) Series

Mates With

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

Lead-free Process Capability
Max. Cycles at Max. Process Temperature
Process Temperature max. C

SMC&WAVE
001
260

Material Info

Reference - Drawing Numbers

Electrical Model Document
Packaging Specification
Product Specification
S-Parameter Model
Sales Drawing

EE-87779-001, EE-87779-002
PK-87779-100
PS-87779-011-001
SP-87779-002
SD-87779-020

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