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Part Number: [87703-0001](#)
Status: **Active**
Overview: [Serial ATA Combo Plugs and Receptacles](#)
Description: 1.27mm Pitch Serial ATA Device Plug, 63.50mm Drive, without Jumper, 22 Circuits, Tray Packaging, Lead-Free

Documents:

3D Model	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	Product Literature (PDF)
Product Specification PS-87703-017 (PDF)	

Agency Certification

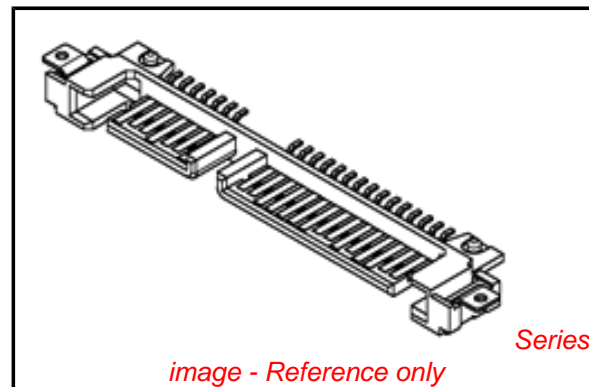
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	87703
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	Serial ATA Combo Plugs and Receptacles
Product Literature Order No	SNG-029
Product Name	Serial ATA
UPC	756054330487

Physical

Breakaway	No
Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	0.944/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	2.00mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	0.50mm
Packaging Type	Tray
Pitch - Mating Interface	1.27mm
Plating min - Mating	0.127µm
Plating min - Termination	0.127µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partial
Stackable	No
Temperature Range - Operating	-40°C to +105°C



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series

[87703Series](#)

Mates With

Combo Receptacle [87678](#) , [87701](#) , [87713](#) , [87779](#) , [87780](#) , [67492](#) , [87781](#) , [67489](#)
 Signal Cable Receptacle, [88755](#) Cable Assembly,

Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 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

Reference - Drawing Numbers

Electrical Model Document EE-47018-003, EE-67492-001, EE-87678-001,
EE-87703-001, EE-87703-002, EE-87703-003,
EE-87713-001, EE-87779-001, EE-87779-002,
EE-87824-002, EE-87863-004
Product Specification PS-87703-017, RPS-87703-059
Sales Drawing SD-87703-002

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