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**Part Number:** [0877030001](#)  
**Status:** **Active**  
**Overview:** [Serial ATA Connectors and Cable Assemblies](#)  
**Description:** 1.27mm Pitch Serial ATA Device Plug, 63.50mm Drive, without Jumper, 22 Circuits, Tray Packaging, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-87703-200 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-87703-017-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**Agency Certification**

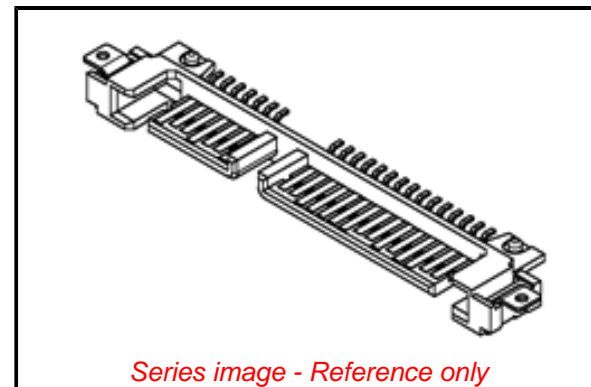
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">87703</a>
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	<a href="#">Serial ATA Connectors and Cable Assemblies</a>
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
Termination Interface: Style	Surface Mount



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[87703](#) Series

**Mates With**

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

**Electrical**

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

**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-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

Packaging Specification PK-87703-200  
Product Specification PS-87703-017-001  
S-Parameter Model SP-47018-003, SP-67492-001, SP-78011-001,  
SP-87703-001, SP-87713-001, SP-87779-002

Sales Drawing SD-87703-002

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