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Part Number: [0877030001](#)
Status: **Active**
Overview: Serial ATA Combo Plugs and Receptacles
Description: 1.27mm (.050") Pitch Serial ATA Device Plug, 2.5" Drive, without Jumper, 22 Circuits, Tray Packaging, Lead-free

Documents:

3D Model [Product Specification PS-87703-017 \(PDF\)](#)
 Drawing (PDF) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

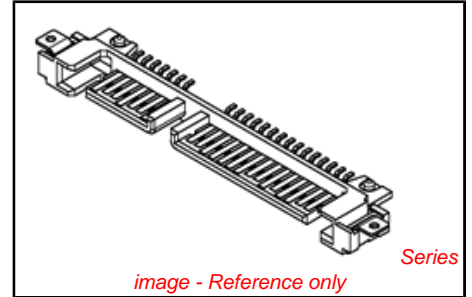
Product Family PCB Headers
 Series 87703
 Application Board-to-Board, Signal
 Overview [Serial ATA Combo Plugs and Receptacles](#)
 Product Literature Order No SNG-029
 Product Name Serial ATA

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
 Number of Rows 1
 Orientation Right Angle
 PC Tail Length 2.00mm (.079")
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 0.50mm (.020")
 Packaging Type Tray
 Pitch - Mating Interface 1.27mm (.050")
 Plating min - Mating 0.127µm (5µ")
 Plating min - Termination 0.127µm (5µ")
 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

Electrical

Current - Maximum per Contact 1.5A



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

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.

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

Product Specification	PS-87703-017, RPS-87703-059
Sales Drawing	SD-87703-002

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