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Part Number: [0876781001](#)
Status: **Active**
Overview: [micro_sata](#)
Description: 1.27mm (.050") Pitch Serial ATA Backplane Receptacle, Through Hole, Vertical, Extended Height, 0.76µm (30µ") Gold (Au) Selective, 22 Circuits, Leadfree

Documents:

[3D Model](#) [Product Specification PS-87678-029 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [87678](#)
 Application Board-to-Board, Signal
 Overview [micro_sata](#)
 Product Literature Order No SNG-029
 Product Name Serial ATA

Physical

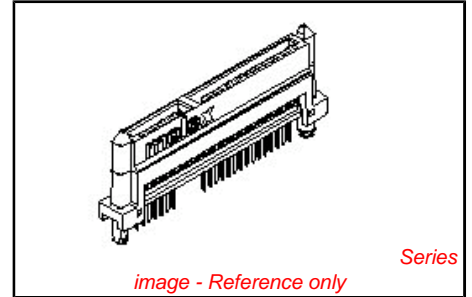
(p)ower-(s)ignal Configuration 15p - 7s
 Circuits (Loaded) 22
 Durability (mating cycles max) 500
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part Yes
 Lock to Mating Part Yes
 Material - Metal Copper
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Number of Rows 1
 Orientation Vertical
 PC Tail Length 3.45mm (.136")
 PCB Locator Yes
 PCB Retention None
 PCB Thickness - Recommended 0.80mm (.031"), 2.50mm (.098")
 Packaging Type Tray
 Pitch - Mating Interface 1.27mm (.050")
 Plating min - Mating 0.762µm (30µ")
 Plating min - Termination 2.540µm (100µ")
 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 Through Hole - Compliant Pin

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 10
 Lead-free Process Capability SMC & Wave Capable (TH only)
 Max. Cycles at Max. Process Temperature 1



<p>EU RoHS ELV and RoHS Compliant REACH SVHC Not Reviewed Low-Halogen Status Low-Halogen</p>	<p>China RoHS</p>
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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.

<p>Search Parts in this Series 87678Series</p>
<p>Mates With 87679 , 87799 , 87703</p>

Process Temperature max. C 260

Material Info

Country of Origin SG

Reference - Drawing Numbers

Product Specification PS-87678-029

Sales Drawing SD-87678-023

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