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**Part Number:** [78164-1051](#)  
**Status:** **Active**  
**Description:** 1.27mm Pitch SAS Combo Device Plug, Vertical, SMT, Standard Height 7.88mm, with Solder Tab and Pick-and-Place Cap, 29 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-78012-002 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

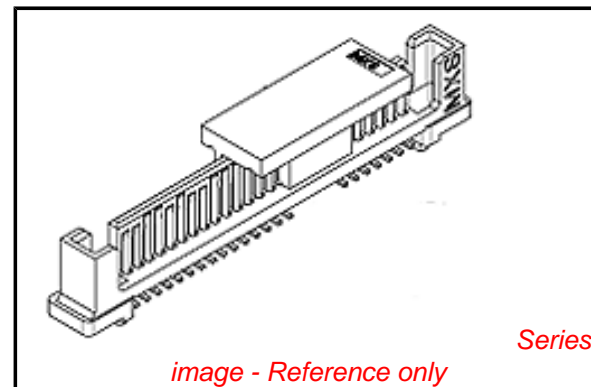
Product Family I/O Connectors  
 Series [78164](#)  
 Application Wire-to-Board  
 Comments With Cap  
 Component Type Plug  
 Product Name SAS  
 Type N/A  
 UPC 800756651835

**Physical**

Boot Color N/A  
 Circuits (Loaded) 29  
 Circuits (maximum) 29  
 Color - Resin Black  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Gender Plug  
 Lock to Mating Part None  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Net Weight 1.975/g  
 Number of Rows 1  
 Orientation Vertical  
 PCB Locator Yes  
 PCB Retention Yes  
 Packaging Type Embossed Tape on Reel  
 Panel Mount Yes  
 Pitch - Mating Interface 0.80mm, 1.27mm  
 Pitch - Termination Interface 0.80mm, 1.27mm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Ports 2  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -40°C to +85°C  
 Termination Interface: Style Surface Mount  
 Waterproof / Dustproof No  
 Wire Size AWG N/A

**Electrical**

Current - Maximum per Contact 1.5A  
 Shielded No  
 Voltage - Maximum 30V



**EU RoHS**

**ELV and RoHS  
 Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



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

[78164Series](#)

**Mates With**

78011 SAS/SATA Receptacle; and 87824, 87839, 87863, 87970, 87945, 87975 SAS Receptacles

**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-78164-001, EE-87839-001
Product Specification	PS-78012-002
S-Parameter Model	SP-78164-001
Sales Drawing	SD-78164-100

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