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**Part Number:** **0780120011**

**Status:** **Active**

**Overview:** Serial Attached SCSI (SAS) Connectors

**Description:** 1.27mm Pitch, Serial Attached SCSI Combo Device Plug, Vertical, Surface Mount, 29 Circuits, Plastic Locating Pegs, Pick-and-Place Cap, Embossed Tape on Reel, Lead-Free

**Documents:**

[3D Model](#)

[Product Specification PS-78012-002-001 \(PDF\)](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

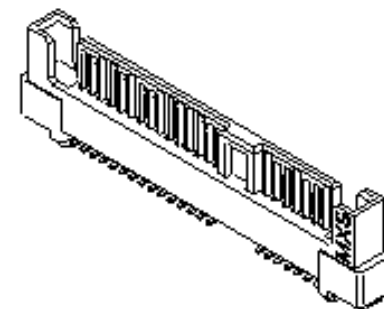
CSA LR19980  
UL E29179

**General**

Product Family I/O Connectors  
Series 78012  
Application Board-to-Board  
Comments With Cap  
Component Type Plug  
Electrical Model Yes  
Overview Serial Attached SCSI (SAS) Connectors  
Product Name SAS 6G  
Type N/A  
UPC 822350343053

**Physical**

Boot Color N/A  
Circuits (Loaded) 29  
Circuits (maximum) 29  
Circuits Detail Signal 14, Power 15  
Color - Resin Black  
Durability (mating cycles max) 500  
Flammability 94V-0  
Gender Plug  
Lock to Mating Part None  
Material - Metal Brass  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 1.750/g  
Number of Rows 2  
Orientation Vertical  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 1.57mm  
Packaging Type Embossed Tape on Reel  
Panel Mount Yes  
Pitch - Mating Interface 0.80mm, 1.27mm  
Pitch - Termination Interface 0.80mm, 1.27mm  
Plating min - Mating 0.762µm  
Plating min - Termination 1.905µm  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -40°C to +85°C



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**Not 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**

78012 Series

**Mates With**

78011 SATA Receptacle, SFF 8482 Unshielded Dual Port Serial Attachment Connector

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

**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-78012-002, EE-87863-006, EE-87863-007
Product Specification	PS-78012-002-001
S-Parameter Model	SP-78012-002
Sales Drawing	SD-78012-101

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