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**Part Number:** [0787150002](#)

**Status:** **Active**

**Overview:** [Serial Attached SCSI \(SAS\) Connectors and Cable Assemblies](#)

**Description:** 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Vertical, Surface Mount, with Blade, 3.70mm Peg Length, 1.60mm PCB Thickness, 29 Circuits, with Cap, Tray, Lead-Free

**Documents:**

[3D Model](#)

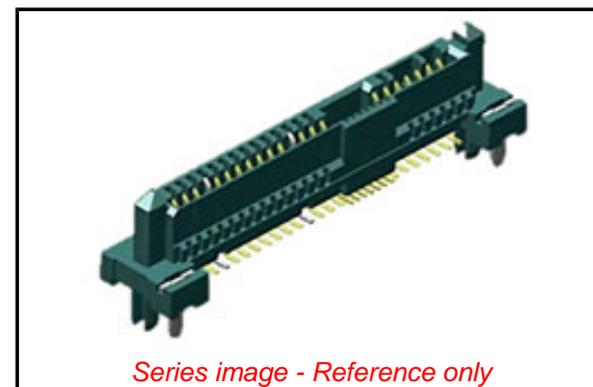
[Drawing \(PDF\)](#)

[Product Specification PS-78715-001 \(PDF\)](#)

[Application Specification AS-78715-001 \(PDF\)](#)

[Test Summary TS-78715-001 \(PDF\)](#)

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



*Series image - Reference only*

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family I/O Connectors  
Series [78715](#)  
Application Board-to-Board  
Component Type Receptacle  
Electrical Model Yes  
Overview [Serial Attached SCSI \(SAS\) Connectors and Cable Assemblies](#)  
Product Name SAS 3.0  
Type N/A  
UPC 884982898615

**Physical**

Circuits (Loaded) 29  
Circuits Detail Signal 14, Power 15  
Color - Resin Black  
Durability (mating cycles max) 500  
Flammability 94V-0  
Gender Female  
Keying to Mating Part Yes  
Lock to Mating Part None  
Material - Metal Copper Alloy  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 1.851/g  
Number of Rows 2  
Orientation Vertical  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 1.60mm  
Packaging Type Tray  
Panel Mount No  
Pitch - Mating Interface 0.80mm, 1.27mm  
Pitch - Termination Interface 0.80mm, 1.27mm  
Plating min - Mating 0.762µm  
Plating min - Termination 2.540µm  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating 0°C to +55°C

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**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  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[78715 Series](#)

**Mates With**

SAS / SATA plug

Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No

**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**

Application Specification	AS-78715-001
Electrical Model Document	EE-78715-003, EE-78715-004
Product Specification	PS-78715-001
S-Parameter Model	SP-78715-001, SP-78715-003, SP-78715-004
Sales Drawing	SD-78715-001
Test Summary	TS-78715-001

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