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**Part Number:** [0787150011](#)  
**Status:** **Active**  
**Overview:** Serial Attached SCSI (SAS) Connectors  
**Description:** 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Vertical, Surface Mount, with Front Solder Tab, 1.00mm Peg Length, 2.54mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape on Reel, Lead-Free

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-78715-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Packaging Specification PK-78715-003-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Test Summary TS-78715-001-001 (PDF)</a>              |
| <a href="#">Product Specification PS-78715-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

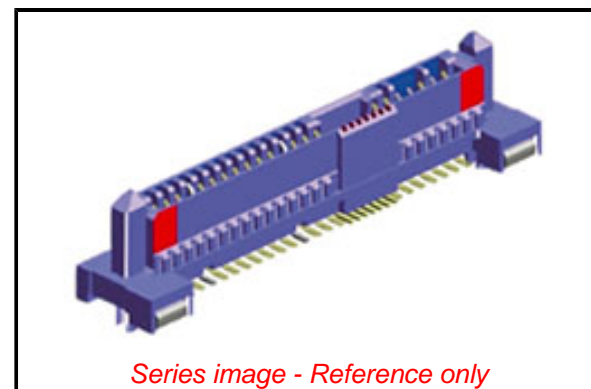
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                  |   |
|------------------|---|
| Product Family   | I/O Connectors  |
| Series           | <a href="#">78715</a>                                 |
| Application      | Board-to-Board  |
| Component Type   | Receptacle  |
| Electrical Model | Yes   |
| Overview         | <a href="#">Serial Attached SCSI (SAS) Connectors</a> |
| Product Name     | SAS 12G, SAS-3  |
| Type             | N/A   |
| UPC              | 887191367859  |

**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                     | 1.827/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 2.54mm                         |
| Packaging Type                 | Embossed Tape on Reel          |
| 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° to +55°C                    |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**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-78715-001-001                   |
| Electrical Model Document | EE-78715-004-001                   |
| Packaging Specification   | PK-78715-003-001                   |
| Product Specification     | PS-78715-001-001                   |
| S-Parameter Model         | SP-78715-003-001, SP-78715-004-001 |
| Sales Drawing             | SD-78715-002-001                   |
| Test Summary              | TS-78715-001-001                   |

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