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Part Number:

0787160015

Status:

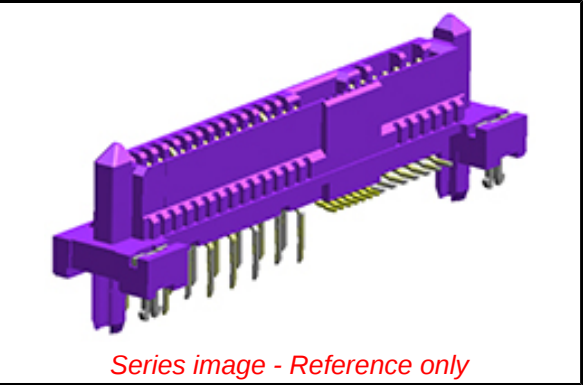
Active

Overview:

Serial Attached SCSI (SAS) Connectors

Description:

1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Vertical, Hybrid, with Forklock, 2.34mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape on Reel, Lead-Free



Series image - Reference only

|                                                              |                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------|
| Documents:                                                   |                                                                  |
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-78716-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-78716-002-001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification PS-78716-001-001 (PDF)</a> |                                                                  |

|                                |                                       |
|--------------------------------|---------------------------------------|
| Agency Certification           |                                       |
| CSA                            | LR19980                               |
| UL                             | E29179                                |
| General                        |                                       |
| Product Family                 | I/O Connectors                        |
| Series                         | 78716                                 |
| Application                    | Board-to-Board                        |
| Component Type                 | Receptacle                            |
| Electrical Model               | Yes                                   |
| Overview                       | Serial Attached SCSI (SAS) Connectors |
| Product Name                   | SAS 12G, SAS-3                        |
| Type                           | N/A                                   |
| UPC                            | 887191201979                          |
| 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                     | 1.846/g                               |
| Number of Rows                 | 2                                     |
| Orientation                    | Vertical                              |
| PC Tail Length                 | 2.11mm                                |
| PCB Locator                    | Yes                                   |
| PCB Retention                  | Yes                                   |
| PCB Thickness - Recommended    | 2.34mm                                |
| 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                                   |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2021)4569-DC (8 July 2021)              |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

78716 Series

Mates With

SAS / SATA plug

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Temperature Range - Operating                  | 0° to +55°C                    |
| Termination Interface: Style                   | Surface Mount and Through Hole |
| Waterproof / Dustproof                         | No                             |
| <b>Electrical</b>                              |                                |
| Current - Maximum per Contact                  | 1.5A                           |
| Voltage - Maximum                              | 30V                            |
| <b>Solder Process Data</b>                     |                                |
| Duration at Max. Process Temperature (seconds) | 010                            |
| Lead-freeProcess Capability                    | REFLOW                         |
| Max. Cycles at Max. Process Temperature        | 001                            |
| Process Temperature max. C                     | 260                            |
| <b>Material Info</b>                           |                                |
| <b>Reference - Drawing Numbers</b>             |                                |
| Application Specification                      | AS-78716-001-001               |
| Electrical Model Document                      | EE-78716-001-001               |
| Packaging Specification                        | PK-78716-002-001               |
| Product Specification                          | PS-78716-001-001               |
| S-Parameter Model                              | SP-78716-001-001               |
| Sales Drawing                                  | SD-78716-001-001               |

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