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Part Number:

0787180002

Status:

Active

Overview:

Serial Attached SCSI (SAS) Connectors

Description:

1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Right-Angle, Surface Mount, with Blade, 2.85mm Height, 3.50mm Peg Length, 1.60mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape and Reel, Lead-Free

|                                                              |                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------|
| Documents:                                                   |                                                                  |
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-78718-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Packaging Specification PK-78718-001-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Test Summary TS-78718-001-001 (PDF)</a>              |
| <a href="#">Product Specification PS-78718-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

Agency Certification

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

General

|                  |                                       |
|------------------|---------------------------------------|
| Product Family   | I/O Connectors                        |
| Series           | 78718                                 |
| Application      | Board-to-Board                        |
| Comments         | With Cap                              |
| Component Type   | Receptacle                            |
| Electrical Model | Yes                                   |
| Overview         | Serial Attached SCSI (SAS) Connectors |
| Product Name     | SAS 12G, SAS-3                        |
| Taxonomy         | I/O Connectors                        |
| Type             | N/A                                   |
| UPC              | 887191897523                          |

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               | Liquid Crystal Polymer |
| Net Weight                     | 1.910/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Right Angle            |
| PCB Locator                    | Yes                    |
| PCB Retention                  | Yes                    |
| PCB Thickness - Recommended    | 1.60mm                 |
| 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                    |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

Halogen-Free

Status

Low-Halogen

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

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

78718 Series

Mates With

SFF-8482 and SFF-8680 Plugs|SAS / SATA  
Plugs

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| Surface Mount Compatible (SMC)                 | Yes                                |
| Temperature Range - Operating                  | 0° to +55°C                        |
| Termination Interface: Style                   | Surface Mount                      |
| 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-78718-001-001                   |
| Electrical Model Document                      | EE-78718-001-001, EE-78718-002-001 |
| Packaging Specification                        | PK-78718-001-001                   |
| Product Specification                          | PS-78718-001-001                   |
| S-Parameter Model                              | SP-78718-001-001, SP-78718-002-001 |
| Sales Drawing                                  | SD-78718-001-001                   |
| Test Summary                                   | TS-78718-001-001                   |

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