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Part Number:

0787580002

Status:

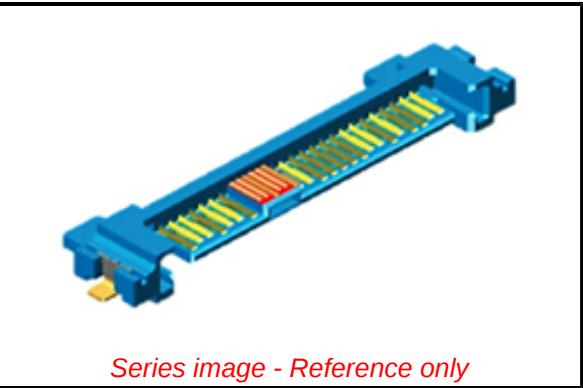
Active

Overview:

Serial Attached SCSI (SAS) Connectors

Description:

1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch U.2 (SFF-8639) Plug, Right Angle, Surface Mount, with Solder Tab, 0.85mm PegLength, 0.82mm PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free



|                                                              |                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------|
| Documents:                                                   |                                                                  |
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-78758-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-78758-001 (PDF)</a>       |
| <a href="#">Product Specification PS-78758-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

|                                |                                       |
|--------------------------------|---------------------------------------|
| Agency Certification           |                                       |
| CSA                            | LR19980                               |
| UL                             | E29179                                |
| General                        |                                       |
| Product Family                 | I/O Connectors                        |
| Series                         | 78758                                 |
| Application                    | Board-to-Board                        |
| Comments                       | With Cap                              |
| Component Type                 | Plug                                  |
| Electrical Model               | Yes                                   |
| Overview                       | Serial Attached SCSI (SAS) Connectors |
| Product Name                   | U.2 (SFF-8639)                        |
| Type                           | N/A                                   |
| UPC                            | 887191257242                          |
| Physical                       |                                       |
| Circuits (Loaded)              | 68                                    |
| Circuits Detail                | Signal 53, Power 15                   |
| Color - Resin                  | Black                                 |
| Durability (mating cycles max) | 500                                   |
| Flammability                   | 94V-0                                 |
| Gender                         | Male                                  |
| 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                     | 1.762/g                               |
| Number of Rows                 | 2                                     |
| Orientation                    | Right Angle                           |
| PCB Locator                    | Yes                                   |
| PCB Retention                  | Yes                                   |
| PCB Thickness - Recommended    | 0.82mm                                |
| 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           | 0.381µm                               |
| 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<br>Compliant                                                | China RoHS |
| REACH SVHC<br>Not Contained Per<br>-ED/01/2018 (15<br>January 2018) |            |
| Halogen-Free<br>Status<br>Low-Halogen                               |            |

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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  
78758 Series

Mates With  
U.2 (SFF-8639) Receptacle 78757 , SAS / SATA Receptacles

|                                                |                                                                                                                                       |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 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-78758-001-001                                                                                                                      |
| Electrical Model Document                      | EE-151124-0001, EE-78757-001, EE-78757-002,<br>EE-78776-001, EE-78777-001, EE-78784-001,<br>EE-78798-001, EE-78809-001, REE-78757-001 |
| Packaging Specification                        | PK-78758-001                                                                                                                          |
| Product Specification                          | PS-78758-001-001                                                                                                                      |
| S-Parameter Model                              | SP-151124-0001, SP-78757-001, SP-78757-002,<br>SP-78776-001, SP-78777-001, SP-78784-001,<br>SP-78798-001, SP-78809-001                |
| Sales Drawing                                  | SD-78758-001-000                                                                                                                      |
| Signal Integrity Report                        | SI-78757-001                                                                                                                          |

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