

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0787570001

Status:

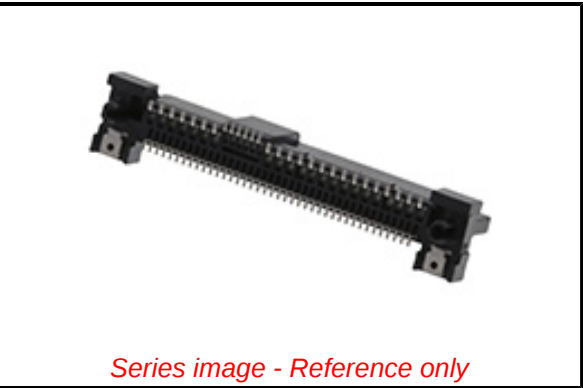
Active

Overview:

Serial Attached SCSI (SAS) Connectors

Description:

1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3/PCIe-3 Receptacle, Vertical, Surface Mount, with Front Solder Tab, 8.15mm Height, 2.00mm Peg Length, 2.36mm Peg Diameter, 1.60mm PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free



|                                                              |                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------|
| Documents:                                                   |                                                                  |
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-78757-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Packaging Specification PK-78757-001-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Test Summary TS-78757-001-001 (PDF)</a>              |
| <a href="#">Product Specification PS-78757-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

|                                |                                       |
|--------------------------------|---------------------------------------|
| Agency Certification           |                                       |
| CSA                            | LR19980                               |
| UL                             | E29179                                |
| General                        |                                       |
| Product Family                 | I/O Connectors                        |
| Series                         | 78757                                 |
| Application                    | Board-to-Board                        |
| Comments                       | With Cap                              |
| Component Type                 | Receptacle                            |
| Electrical Model               | Yes                                   |
| Overview                       | Serial Attached SCSI (SAS) Connectors |
| Product Name                   | SAS-3/PCIe-3, U.2 (SFF-8639)          |
| Taxonomy                       | I/O Connectors                        |
| Type                           | N/A                                   |
| UPC                            | 887191240602                          |
| Physical                       |                                       |
| Circuits (Loaded)              | 68                                    |
| Circuits Detail                | Signal 53, 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                     | 1.887/g                               |
| Number of Rows                 | 2                                     |
| Orientation                    | Vertical                              |
| 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                                   |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| 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 |
| 78757 Series                |

|                                              |
|----------------------------------------------|
| Mates With                                   |
| U.2 (SFF-8639) Plug 78758 , SAS / SATA Plugs |

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| Polarized to PCB                               | Yes                                |
| Surface Mount Compatible (SMC)                 | Yes                                |
| Temperature Range - Operating                  | 0° to +55°C                        |
| Termination Interface: Style                   | Surface Mount                      |
| <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-78757-001-001                   |
| Electrical Model Document                      | EE-78757-001-001, EE-78757-002-001 |
| Packaging Specification                        | PK-78757-001-001                   |
| Product Specification                          | PS-78757-001-001                   |
| S-Parameter Model                              | SP-78757-001-001, SP-78757-002-001 |
| Sales Drawing                                  | SD-78757-001-000                   |
| Signal Integrity Report                        | SI-78757-001-001                   |
| Test Summary                                   | TS-78757-001-001                   |

This document was generated on 02/08/2023

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**