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Part Number:

0878240007

Status:

Active

Overview:

Serial Attached SCSI (SAS) Connectors

Description:

1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS 6G Receptacle, Vertical, Surface Mount, with Straight Solder Tab, 1.60mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape on Reel, Lead-Free

Documents:

3D Model

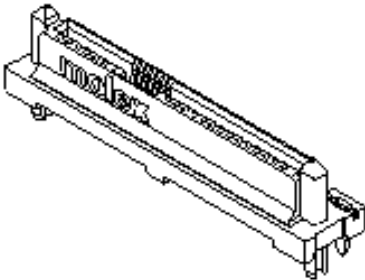
Packaging Specification PK-87824-001 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-87824-029-001 (PDF)

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Agency Certification           |                                                  |
| CSA                            | LR19980                                          |
| UL                             | E29179                                           |
| General                        |                                                  |
| Product Family                 | I/O Connectors                                   |
| Series                         | 87824                                            |
| Application                    | Board-to-Board                                   |
| Comments                       | With Pick-and-Place Cap, With Pick-and-Place Cap |
| Component Type                 | Receptacle                                       |
| Electrical Model               | Yes                                              |
| Overview                       | Serial Attached SCSI (SAS) Connectors            |
| Product Name                   | SAS 6G                                           |
| Type                           | N/A                                              |
| UPC                            | 822350717281                                     |
| Physical                       |                                                  |
| Boot Color                     | N/A                                              |
| Circuits (Loaded)              | 29                                               |
| Circuits (maximum)             | 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                     | 1.778/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                    | Yes                                              |
| 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                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/71/2019 (16 July 2019)                 |               |
| 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

87824 Series

Mates With

SFF-8482 Hard Disk Drive and Backplane Plug. [87679](#) Serial ATA Device Plug with Latch. [87703](#) Serial ATA Device Plug without Jumper. [87799](#) Serial ATA Device Plug with Jumper

|                                |               |
|--------------------------------|---------------|
| Surface Mount Compatible (SMC) | Yes           |
| Temperature Range - Operating  | 0° to +55°C   |
| Termination Interface: Style   | Surface Mount |
| Waterproof / Dustproof         | No            |
| Wire Size AWG                  | N/A           |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.5A |
| Shielded                      | No   |
| Voltage - Maximum             | 30V  |

**Solder Process Data**

|                                                |        |
|------------------------------------------------|--------|
| Duration at Max. Process Temperature (seconds) | 010    |
| Lead-freeProcess Capability                    | REFLOW |
| Max. Cycles at Max. Process Temperature        | 001    |
| Process Temperature max. C                     | 260    |

**Material Info**

**Reference - Drawing Numbers**

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| Electrical Model Document | EE-78012-002, EE-78164-001, EE-78695-002,<br>EE-87824-001, EE-87824-002, EE-87824-003 |
| Packaging Specification   | PK-87824-001                                                                          |
| Product Specification     | PS-87824-029-001                                                                      |
| S-Parameter Model         | SP-78012-002, SP-78164-001, SP-87824-003                                              |
| Sales Drawing             | SD-87824-027                                                                          |

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