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Part Number:

1510020005

Status:

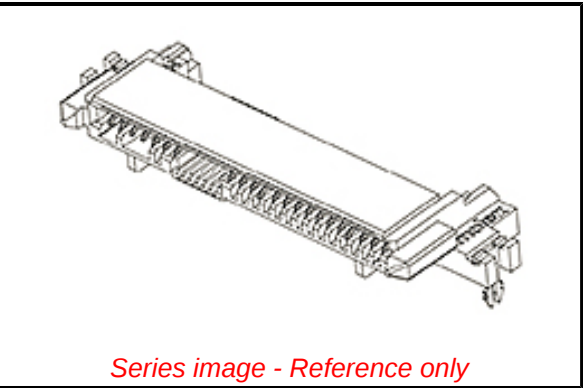
Active

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 Forklock, 4.15mm Height, 3.50mm Peg Length, 1.60mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape and Reel, Lead-Free



Series image - Reference only

|                                                            |                                                                    |
|------------------------------------------------------------|--------------------------------------------------------------------|
| Documents:                                                 |                                                                    |
| <a href="#">3D Model</a>                                   | <a href="#">Application Specification AS-151002-0001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                              | <a href="#">Packaging Specification PK-151002-0002-001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                             | <a href="#">Test Summary TS-151002-0001-001 (PDF)</a>              |
| <a href="#">Product Specification PS-151002-0001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>               |

|                  |                                       |
|------------------|---------------------------------------|
| General          |                                       |
| Product Family   | I/O Connectors                        |
| Series           | 151002                                |
| Application      | Board-to-Board                        |
| Comments         | Without Cap                           |
| Component Type   | Receptacle                            |
| Electrical Model | Yes                                   |
| Overview         | Serial Attached SCSI (SAS) Connectors |
| Product Name     | SAS 12G, SAS-3                        |
| Type             | N/A                                   |
| UPC              | 889056632096                          |

|                                |                        |
|--------------------------------|------------------------|
| Physical                       |                        |
| Circuits (Loaded)              | 29                     |
| Circuits Detail                | Signal 14, Power 15    |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 500                    |
| 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                     | 2.076/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                    |
| Surface Mount Compatible (SMC) | Yes                    |
| Temperature Range - Operating  | 0° to +55°C            |
| Termination Interface: Style   | Surface Mount          |
| Waterproof / Dustproof         | No                     |

Electrical

|                                                                       |                          |
|-----------------------------------------------------------------------|--------------------------|
| EU ELV<br>Compliant                                                   |                          |
| EU RoHS<br>Compliant                                                  | China RoHS               |
| REACH SVHC<br>Not Contained Per -<br>D(2020)4578-DC (25<br>June 2020) |                          |
| Halogen-Free<br>Status<br>Low-Halogen                                 |                          |
| For more information, please visit <a href="#">Contact US</a>         |                          |
| China ROHS<br>ELV                                                     | Green Image<br>Compliant |
| RoHS Phthalates                                                       | Not Contained            |

Search Parts in this Series  
151002 Series

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

|                                                |                                 |
|------------------------------------------------|---------------------------------|
| 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-151002-0001-001              |
| Electrical Model Document                      | EE-151002-0001                  |
| Packaging Specification                        | PK-151002-0002-001              |
| Product Specification                          | PS-151002-0001, RPS-151002-0001 |
| S-Parameter Model                              | SP-151002-0001                  |
| Sales Drawing                                  | SD-151002-0001-001              |
| Test Summary                                   | TS-151002-0001-001              |

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