



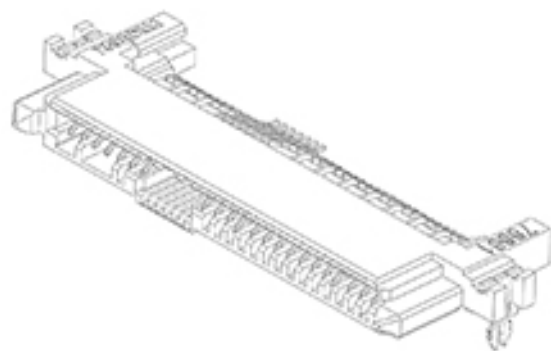
**Part Number :** [788610003](#)

**Product Description :** 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Right-Angle, Surface Mount, with Forklock, 0.93mm Height, 2.50mm Peg Length, 1.60mm PCB Thickness, 29 Circuits, Embossed Tape and Reel, Lead-Free

**Series Number :** 78861

**Status :** Active

**Product Category :** I/O Connectors



Documents & Resources

Drawings

[788610003\\_sd.pdf](#)

[PK-78861-001-001.pdf](#)

3D Models and Design Files

[788610003\\_stp.zip](#)

Specifications

[PS-78861-001-001.pdf](#)

Product Environment Compliance

Compliance

|                    |                                                |
|--------------------|------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                   |
| China RoHS         |                                                |
| EU ELV             | Not Relevant                                   |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                 |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024) |
| EU RoHS            | Compliant per EU 2015/863                      |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                                                           |
| Category       | I/O Connectors                                                                                                                                                                                                                   |
| Series         | 78861                                                                                                                                                                                                                            |
| Description    | 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Right-Angle, Surface Mount, with Forklock, 0.93mm Height, 2.50mm Peg Length, 1.60mm PCB Thickness, 29 Circuits, Embossed Tape and Reel, Lead-Free |
| Application    | Board-to-Board                                                                                                                                                                                                                   |
| Comments       | Without Cap                                                                                                                                                                                                                      |
| Component Type | Receptacle                                                                                                                                                                                                                       |
| Product Name   | SAS 12G,SAS-3                                                                                                                                                                                                                    |
| Type           | N/A                                                                                                                                                                                                                              |
| UPC            | 889056133807                                                                                                                                                                                                                     |

#### Agency

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

#### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.5A |
| Voltage - Maximum             | 30V  |

#### Physical

|                   |                     |
|-------------------|---------------------|
| Circuits Detail   | Signal 14, Power 15 |
| Circuits (Loaded) | 29                  |

|                                |                        |
|--------------------------------|------------------------|
| 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                     | 1.764/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Right Angle            |
| Packaging Type                 | Embossed Tape on Reel  |
| Panel Mount                    | No                     |
| PCB Locator                    | Yes                    |
| PCB Retention                  | Yes                    |
| PCB Thickness - Recommended    | 1.60mm                 |
| 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                    |
| Temperature Range - Operating  | 0° to +55°C            |
| Termination Interface Style    | Surface Mount          |
| Waterproof / Dustproof         | No                     |

## Solder Process Data

|                              |        |
|------------------------------|--------|
| Max-Duration                 | 10     |
| Lead-Free Process Capability | REFLOW |
| Max-Cycle                    | 1      |
| Max-Temp                     | 260    |

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Mates With / Use With

Mates with Part(s)

| Description | Part Number                                   |
|-------------|-----------------------------------------------|
| Mates With  | SFF-8482 and SFF-8680 Plugs, SAS / SATA Plugs |

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