



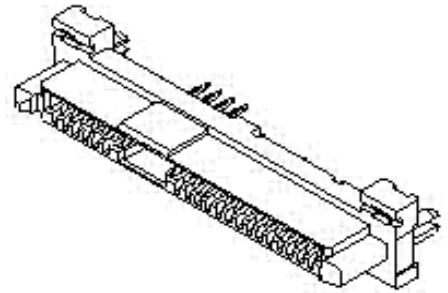
**Part Number :** [878630015](#)

**Product Description :** 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-2 Receptacle, Vertical, Press fit, 2.70mm Tail Length, 29 Circuits, Lead-Free

**Series Number :** 87863

**Status :** Not Recommended For New Design

**Product Category :** I/O Connectors



---

## Documents and Resources

### Drawings

[878630015 sd.pdf](#)

[PK-87863-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[EE-87863-001-001.pdf](#)

[EE-87863-002-001.pdf](#)

[EE-87863-003-001.pdf](#)

[EE-87863-004-001.pdf](#)

[EE-87863-005-001.pdf](#)

[EE-87863-006-001.pdf](#)

[EE-87863-007-001.pdf](#)

[EE-87863-008-001.pdf](#)

### Specifications

[PS-87863-060-001.pdf](#)

---

## Product Environment Compliance

### Compliance

|            |                                     |
|------------|-------------------------------------|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
|------------|-------------------------------------|

|                    |                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------|
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                        |
| REACH SVHC         | Not Contained per D(2025)7771-DC (04 Feb 2026)                                                        |
| EU RoHS            | Compliant per EU 2015/863                                                                             |

#### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

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

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

|                |                                                                                                                                              |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Not Recommended For New Design                                                                                                               |
| Category       | I/O Connectors                                                                                                                               |
| Series         | 87863                                                                                                                                        |
| Description    | 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-2 Receptacle, Vertical, Press fit, 2.70mm Tail Length, 29 Circuits, Lead-Free |
| Application    | Board-to-Board                                                                                                                               |
| Comments       | No pick and place cap                                                                                                                        |
| Component Type | Receptacle                                                                                                                                   |
| Product Name   | SAS 6G,SAS-2                                                                                                                                 |
| Type           | N/A                                                                                                                                          |

|     |              |
|-----|--------------|
| UPC | 822348828012 |
|-----|--------------|

## Agency

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

## Electrical

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

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Boot Color                     | N/A                            |
| Circuits Detail                | Signal 14, Power 15            |
| Circuits (Loaded)              | 29                             |
| Circuits (maximum)             | 29                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 500                            |
| Flammability                   | 94V-0                          |
| Gender                         | Female                         |
| Keying to Mating Part          | Yes                            |
| Lock to Mating Part            | No                             |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.589/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tray                           |
| Panel Mount                    | Yes                            |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 2.29mm, 3.18mm                 |
| PC Tail Length                 | 2.20mm, 2.70mm                 |

|                               |                              |
|-------------------------------|------------------------------|
| 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   | Through Hole - Compliant Pin |
| Waterproof / Dustproof        | No                           |
| Wire Size (AWG)               | N/A                          |

### Solder Process Data

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

---

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number                                 |
|-------------|---------------------------------------------|
| Mates With  | SFF 8482 Hard Disk Drive and Backplane Plug |

---

This document was generated on May 09, 2026