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**Part Number:** [15-97-7103](#)  
**Status:** **Active**  
**Overview:** Mini-Fit® TPA Plugs and Receptacles  
**Description:** 4.20mm Pitch Mini-Fit® TPA Header, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 10 Circuits, Tin (Sn) Plating, without Drain Holes

**Documents:**

[3D Model](#) [Packaging Specification PK-30069-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-5556-003 \(PDF\)](#)

**Agency Certification**

|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72081037 |
| UL  | E29179    |

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">30069</a>  |
| Application    | Power, Wire-to-Board   |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> Mini-Fit® Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex product specification PS-45750-001 for additional current de-rating information., |
| Overview       | <a href="#">Mini-Fit® TPA Plugs and Receptacles</a>  |
| Product Name   | Mini-Fit® TPA  |
| UPC            | 883906301071   |

**Physical**

|                                |           |
|--------------------------------|-----------|
| Breakaway                      | No        |
| Circuits (Loaded)              | 10        |
| Circuits (maximum)             | 10        |
| Color - Resin                  | Black     |
| Durability (mating cycles max) | 30        |
| First Mate / Last Break        | No        |
| Flammability                   | 94V-0     |
| Glow-Wire Compliant            | No        |
| Guide to Mating Part           | No        |
| Keying to Mating Part          | None      |
| Lock to Mating Part            | Yes       |
| Material - Metal               | Brass     |
| Material - Plating Mating      | Tin       |
| Material - Plating Termination | Tin       |
| Material - Resin               | Polyester |
| Net Weight                     | 2.942/g   |
| Number of Rows                 | 2         |
| Orientation                    | Vertical  |
| PCB Locator                    | Yes       |
| PCB Retention                  | Yes       |
| PCB Thickness - Recommended    | 1.80mm    |
| Packaging Type                 | Bag       |
| Pitch - Mating Interface       | 4.20mm    |
| Pitch - Termination Interface  | 4.20mm    |
| Plating min - Mating           | 0.889µm   |
| Plating min - Termination      | 0.889µm   |



image - Reference only

Series

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[30069Series](#)

**Mates With**

[30067](#) Mini-Fit TPA™ Receptacle Housing

**Use With**

Mini-Fit® TPA Receptacle Housing [30071](#) , [30072](#)

|                                |                 |
|--------------------------------|-----------------|
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | Yes             |
| Shrouded                       | Partial         |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

### **Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 13A  |
| Voltage - Maximum             | 600V |

### **Solder Process Data**

|  |                        |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 235                    |

### **Material Info**

|                 |            |
|-----------------|------------|
| Old Part Number | 30069-10C1 |
|-----------------|------------|

### **Reference - Drawing Numbers**

|                         |                |
|-------------------------|----------------|
| Packaging Specification | PK-30069-001   |
| Product Specification   | PS-5556-003    |
| Sales Drawing           | SDA-30069-**** |

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