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**Part Number:** [15-97-8127](#)  
**Status:** **Active**  
**Overview:** Mini-Fit® TPA Plugs and Receptacles  
**Description:** Mini-Fit® TPA Header, 4.20mm Pitch, Dual Row, Right Angle, with PCB Mounting Flange, 12 Circuits, Gold (Au) Plating

**Documents:**

[3D Model](#) [Product Specification PS-5556-003 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-45750-001 \(PDF\)](#)

**Agency Certification**

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

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">30070</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-5556-003 for additional current de-rating information. |
| Overview       | <a href="#">Mini-Fit® TPA Plugs and Receptacles</a>  |
| Product Name   | Mini-Fit® TPA  |
| UPC            | 800754913577   |

**Physical**

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 12          |
| Circuits (maximum)             | 12          |
| 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      | Gold        |
| Material - Plating Termination | Gold        |
| Material - Resin               | Polyester   |
| Net Weight                     | 5.478/g     |
| Number of Rows                 | 2           |
| Orientation                    | Right Angle |
| PC Tail Length                 | 4.10mm      |
| PCB Locator                    | Yes         |
| PCB Retention                  | Yes         |
| PCB Thickness - Recommended    | 1.80mm      |
| Packaging Type                 | Tray        |
| Pitch - Mating Interface       | 4.20mm      |
| Pitch - Termination Interface  | 4.20mm      |
| Polarized to Mating Part       | Yes         |



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**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**

[30070Series](#)

**Mates With**

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

|                                |                 |
|--------------------------------|-----------------|
| 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                     | 260                    |

### **Material Info**

|                 |            |
|-----------------|------------|
| Old Part Number | 30070-12A1 |
|-----------------|------------|

### **Reference - Drawing Numbers**

|                       |                           |
|-----------------------|---------------------------|
| Product Specification | PS-45750-001, PS-5556-003 |
| Sales Drawing         | SD-30070-001              |

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