

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0015977044](#)  
**Status:** **Active**  
**Overview:**  
**Description:** 4.20mm (.165") Pitch Mini-Fit TPA™ Header, Dual Row, Vertical, with PCB Mounting Flange, 4 Circuits, Gold (Au) Plating, without Drain Holes

**Documents:**

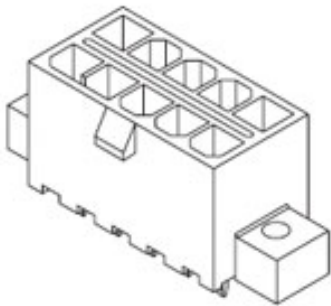
|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-5556-003 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>    |

**General**

|                |                                                   |
|----------------|---------------------------------------------------|
| Product Family | PCB Headers                                       |
| Series         | <a href="#">30069</a>                             |
| Application    | Wire-to-Board                                     |
| Comments       | Square Pin Solder Type High Vibration Application |
| Overview       | Mini-Fit TPA™#153;                                |
| Product Name   | Mini-Fit TPA™                                     |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 4               |
| Circuits (maximum)             | 4               |
| 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 | Tin             |
| Material - Resin               | Polyester       |
| Number of Rows                 | 2               |
| Orientation                    | Vertical        |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness Recommended (in) | 0.070 In        |
| PCB Thickness Recommended (mm) | 1.80 mm         |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface (in)  | 0.165 In        |
| Pitch - Mating Interface (mm)  | 4.20 mm         |
| Pitch - Term. Interface (in)   | 0.165 In        |
| Pitch - Term. Interface (mm)   | 4.20 mm         |
| Plating min: Mating (µin)      | 30              |
| Plating min: Mating (µm)       | 0.76            |
| Plating min: Termination (µin) | 100             |
| Plating min: Termination (µm)  | 2.50            |
| 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    |



Series image - Reference only

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

**Contains SVHC: No  
Halogen-Free  
Status**

**China RoHS**



**Not Halogen-Free**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**

[30069](#) Series

**Mates With**

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

**Use With**

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

**Electrical**

|                   |           |
|-------------------|-----------|
| CSA               | LR19980   |
| Current - Maximum | 8A        |
| TUV               | R72081037 |
| UL                | E29179    |
| 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 | 30069-04A2 |
|-----------------|------------|

**Reference - Drawing Numbers**

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

This document was generated on 11/05/2009

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**