

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0300690811

Status:

Active

Overview:

Mini-Fit® TPA2 Plugs and Receptacles

Description:

4.20mm Pitch, Mini-Fit® TPA Header, Dual Row, Vertical, with PCB Mounting Flange, 8 Circuits, Tin (Sn) Over Nickel (Ni) Plating, without Drain Holes

Documents:

3D Model

Drawing (PDF)

Product Specification PS-5556-003 (PDF)

Packaging Specification PK-30069-001-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                                |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                |
| CSA                            | LR19980                                                                                                                        |
| UL                             | E29179                                                                                                                         |
| General                        |                                                                                                                                |
| Product Family                 | PCB Headers                                                                                                                    |
| Series                         | 30069                                                                                                                          |
| Application                    | Power, Wire-to-Board                                                                                                           |
| Comments                       | Current for wire-to-wire applications = 13.0A max. per circuit. Current for wire-to-board applications = 9.0A max. per circuit |
| Overview                       | Mini-Fit® TPA2 Plugs and Receptacles                                                                                           |
| Product Name                   | Mini-Fit® TPA                                                                                                                  |
| UPC                            | 822350400848                                                                                                                   |
| Physical                       |                                                                                                                                |
| Breakaway                      | No                                                                                                                             |
| Circuits (Loaded)              | 8                                                                                                                              |
| Circuits (maximum)             | 8                                                                                                                              |
| 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                     | 2.560/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                                                                                                                         |
| 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                                                                                                                |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -

ED/21/2016 (20 June

2016)

Halogen-Free

Status

Not Low-Halogen

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.

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

30069 Series

Mates With

30069 Mini-Fit TPA™ Receptacle Housing

|                                                |                  |
|------------------------------------------------|------------------|
| Termination Interface: Style                   | Through Hole     |
| <b>Electrical</b>                              |                  |
| Current - Maximum per Contact                  | 13.0A            |
| Voltage - Maximum                              | 600V             |
| <b>Solder Process Data</b>                     |                  |
| Duration at Max. Process Temperature (seconds) | 005              |
| Lead-freeProcess Capability                    | WAVE             |
| Max. Cycles at Max. Process Temperature        | 001              |
| Process Temperature max. C                     | 235              |
| <b>Material Info</b>                           |                  |
| <b>Reference - Drawing Numbers</b>             |                  |
| Packaging Specification                        | PK-30069-001-001 |
| Product Specification                          | PS-5556-003      |
| Sales Drawing                                  | SD-30069-001-000 |

This document was generated on 02/09/2017

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