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Part Number: [0015978102](#)
Status: **Active**
Overview: Mini-Fit TPA2 Plugs and Receptacles
Description: 4.20mm Pitch, Mini-Fit® TPA Header, Dual Row, Right Angle, with PCB Mounting Flange, 10 Circuits, Tin (Sn) Plating

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [30070](#)
 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 800754202954

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 4.718/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
 Polarized to PCB Yes
 Shrouded Partial
 Stackable No
 Surface Mount Compatible (SMC) No



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant
REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email 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

[30070](#) Series

Mates With

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

| | |
|-------------------------------|-----------------|
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

Electrical

| | |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum | 600V |

Solder Process Data

| | |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005 |
| Lead-free Process Capability | WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 260 |

Material Info

| | |
|--------------------|------------|
| Engineering Number | 30070-10A3 |
|--------------------|------------|

Reference - Drawing Numbers

| | |
|-----------------------|-------------------------------|
| Product Specification | PS-45750-001-001, PS-5556-003 |
| Sales Drawing | SD-30070-001-000 |

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