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Part Number: [0015977045](#)
Status: **Active**
Overview: [Mini-Fit TPA2 Plugs and Receptacles](#)
Description: Mini-Fit TPA Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 4 Circuits, Gold (Au) Plating, without Drain Holes

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [30069](#)
 3D Viewer Yes
 Application Power, Wire-to-Board
 CURRENT-MAX-NUMERIC 13.0
 Comments Current for wire-to-wire applications = 13.0A max. per circuit. Current for wire-to-board applications = 9.0A max. per circuit, Current for wire-to-wire applications = 13.0A max. per circuit. Current for wire-to-board applications = 9.0A max. per circuit
[Mini-Fit TPA2 Plugs and Receptacles](#)
 Overview PITCH-MATING-NUMERIC 4.20
 Product Name Mini-Fit TPA
 UPC 883906486181

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 Capable 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
 Net Weight 1.400/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 0.762µm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[30069](#) Series

Mates With

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

Use With

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

Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° 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	240

Material Info

Engineering Number	30069-04C2
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Reference - Drawing Numbers

Packaging Specification	PK-30069-001-001
Product Specification	PS-5556-003-001
Sales Drawing	300690000-SD-000

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