**Part Number :** 15977064
**Product Description :** Mini-Fit TPA Header, 4.20mm Pitch, Dual Row, Vertical, with PCB Mounting Flange, 6 Circuits, Gold (Au) Plating, without Drain Holes
**Series Number :** 30069
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** 30069-06A2



## Documents and Resources

### Drawings

015977064_sd.pdf

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

PK-30069-001-001.pdf

PS-5556-003-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 30069 |
| Description | Mini-Fit TPA Header, 4.20mm Pitch, Dual Row, Vertical, with PCB Mounting Flange, 6 Circuits, Gold (Au) Plating, without Drain Holes |
| Application | 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 |
| Component Type | PCB Header |
| Product Name | Mini-Fit TPA |
| UPC | 800754912686 |

### Agency

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

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## Electrical

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

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Gender | Male |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Polybutylene Terephthalate (PBT) |
| Net Weight | 2.054/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Bag |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.80mm |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Partially Shrouded |

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| | |
|---|---|
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

### Solder Process Data

| | |
|---|---|
| Max-Duration | 5 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 260 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mini-Fit TPA Dual Row Receptacle Housings | 30067 |

### Use with Part(s)

| Description | Part Number |
|---|---|
| Mini-Fit Connector Position Assurance Key | 30071 |
| Mini-Fit TPA Keys | 30072 |



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