Part Number : 15977103
Product Description : Mini-Fit TPA Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 10 Circuits, Tin (Sn) Plating, without Drain Holes
Series Number : 30069
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : 30069-10C1



Documents and Resources

Drawings

015977103_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
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

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

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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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	30069
Description	Mini-Fit TPA Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 10 Circuits, Tin (Sn) 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	883906301071

Agency

CSA	LR19980
UL	E29179

Electrical

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

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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
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	Tin
Material - Plating Termination	Tin
Material - Resin	Polybutylene Terephthalate (PBT)
Net Weight	2.942/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	0.900µm
Plating min - Termination	0.900µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partially Shrouded
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

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Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	240

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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