

Part Number : 15247180

Series Number : 42385

Product Category : PCB Headers and Receptacles

Product Description : Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, 2.54µm Tin (Sn), UL 94V-2, 18 Circuits

Status : Active

Engineering Number : 42385-18A1

---

## Documents & Resources

### Drawings

Drawing 015247180\_sd.pdf

Packaging Design Drawing PK-42385-999-001.pdf

### 3D Models and Design Files

3D Model 015247180\_stp.zip

Symbol Footprint Data SYM-A42385-18XX-001.zip

### Specifications

Product Specification 55560002-PS-SK-000.pdf

Product Specification 55560002-PS-CH-000.pdf

Product Specification 55560002-PS-ES-000.pdf

Product Specification PS-5556-002-001.pdf

Test Summary 423850000-TS-000.pdf

Test Summary TS-5556-002-001.pdf

---

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 33; 44
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

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

#### EU RoHS Certificate of Compliance

---

### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	42385
Description	Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, 2.54 $\mu$ m Tin (Sn), UL 94V-2, 18 Circuits
Application	Board-to-Board, Power, Wire-to-Board
Comments	Solder Type, With Pegs
Component Type	PCB Receptacle
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit BMI
UPC	800754209526

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	9.0A
Grounding to PCB	No
Voltage - Maximum	600V AC (RMS)/DC

#### Physical

Circuits (Loaded)	18
-------------------	----

Circuits (maximum)	18
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Resin	Nylon
Net Weight	3.665/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.20mm
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
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	240

---

## Mates With / Use With

### Mates with Part(s)

Description	Part Number

Mini-Fit BMI Dual Row Plug Housings	<u>42475</u>
Mini-Fit BMI Right-Angle Dual Row Headers	<u>42404</u>
Mini-Fit BMI Right-Angle Dual Row Headers	<u>43810</u>
Mini-Fit BMI Vertical Dual Row Headers	<u>42440</u>
Mini-Fit BMI Vertical Dual Row Headers	<u>43879</u>
Mini-Fit BMI Vertical Dual Row Headers	<u>44068</u>

---

---

This document was generated on Apr 10, 2024