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Part Number:

0015247140

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, Post 2.54µm Tin (Sn), UL 94V-2, 14 Circuits

Documents:	
3D Model	Product Specification PS-5556-002-001 (PDF)
Drawing (PDF)	Packaging Specification PK-42385-999-001 (PDF)
3D Model (PDF)	Test Summary 423850000-TS-000 (PDF)
Product Specification 55560002-PS-CH-000 (PDF)	Test Summary TS-5556-002-001 (PDF)
Product Specification 55560002-PS-ES-000 (PDF)	Symbol Footprint Data SYM-A42385-14XX-001 (PDF)
Product Specification 55560002-PS-SK-000 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Receptacles
Series	42385
Application	Board-to-Board, Power, Wire-to-Board
Comments	Solder Type, With Pegs
Component Type	PCB Receptacle
Overview	Mini-Fit Family Power Connectors
Product Name	Mini-Fit BMI
Taxonomy	PCB Headers and Receptacles
UPC	800753535053

Physical	
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-2
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	2.876/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.00mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole



Series image - Reference only

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - D(2022)4187-DC (10 June 2022)	
Halogen-Free	
Status	
Low-Halogen	
For more information, please visit Contact US	
China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
42385 Series

Mates With
Panel Mount Plug 42475
Right Angle Headers 42404 , 43810
Vertical Headers 42440 , 43879 , 44068

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240

Material Info

Engineering Number	42385-14A1
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Reference - Drawing Numbers

Packaging Specification	PK-42385-999-001
Product Specification	55560002-PS-CH-000, 55560002-PS-ES-000, 55560002-PS-SK-000, PS-5556-002-001
Sales Drawing	SDA-42385-X-001
Symbol/Footprint Data	SYM-A42385-14XX-001
Test Summary	423850000-TS-000, TS-5556-002-001

This document was generated on 02/07/2023

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