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Part Number:

0015286182

Status:

Active

Overview:

Mini-Fit BMI Connectors

Description:

Mini-Fit BMI Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 18 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, Select Gold (Au) Plating, without Drain Holes

Documents:

3D Model

Drawing (PDF)

3D Model (PDF)

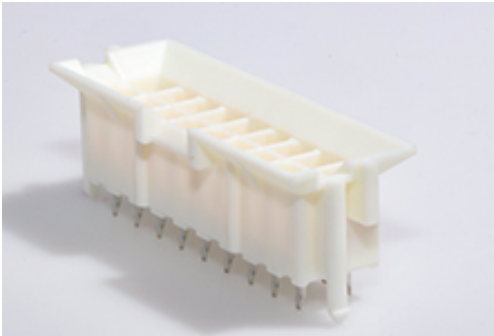
Product Specification PS-5556-002-001 (PDF)

Test Summary TS-5556-002-001 (PDF)

Symbol Footprint Data SYM-A42440-18XX (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Headers
Series	42440
Application	Board-to-Board, Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex product specification PS-45750-001 for additional current de-rating information.
Overview	Mini-Fit BMI Connectors
Product Name	Mini-Fit BMI
UPC	800753617513
Physical	
Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Natural (White)
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	4.113/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.56mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.80mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes



Series image - Reference only

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - D(2020)4578-DC (25 June 2020)	
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

42440 Series

Mates With

15060181 Mini-Fit BMI Panel Mount Receptacle, 39012185 Mini-Fit Jr. Receptacle, 15247183 Mini-Fit BMI Vertical Receptacle Header, 445160009 Mini-Fit BMI Slide-and-Lock Panel Mount Receptacle

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-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240
Material Info	
Engineering Number	A-42440-1822
Reference - Drawing Numbers	
Product Specification	PS-5556-002-001
Sales Drawing	SDA-42440-XXXX
Symbol/Footprint Data	SYM-A42440-18XX
Test Summary	TS-5556-002-001

This document was generated on 07/14/2020

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