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Part Number:

0452800601

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit BMI CPI Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 6 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) Plating

Documents:

Drawing (PDF)

3D Model

3D Model (PDF)

Product Specification PS-44300-001-001 (PDF)

Packaging Specification PK-45280-002-001 (PDF)

Test Summary TS-45280-001-001 (PDF)

Datasheet (PDF)

Symbol Footprint Data SYM-45280-0601-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
Application tooling part link	
Application Tooling Part Link	62200-2700
Application Tooling Part Link	62200-8400
Application Tooling Part Link	62203-0450
General	
Product Family	PCB Headers
Series	45280
Application	Board-to-Board, Power, Wire-to-Board
Component Type	PCB Header
Overview	Micro-Fit Connector System
Product Name	Micro-Fit BMI CPI
Taxonomy	PCB Headers and Receptacles
UPC	756054634547

Physical	
Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.554/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	4.80mm
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to Mating Part	Yes



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	
Not 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

45280 Series

Mates With

441330600 Micro-Fit BMI Panel Mount Receptacle Housing, 447640601 Micro-Fit BMI Right Angle Receptacle Header, 447690601 Micro-Fit BMI Vertical Receptacle Header

Application Tooling FAQ	
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.	
Global	
Description	Product #
Insertion Tool for Micro-Fit BMI CPI Header Assemblies	622002700
Compliant Pin Insertion Flat Rock Tool	622008400
Removal Tool	622030450

Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole - Compliant Pin
Electrical	
Current - Maximum per Contact	8.5A
Voltage - Maximum	600V
Solder Process Data	
Lead-freeProcess Capability	N/A
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-45280-002-001
Product Specification	PS-44300-001-001
Sales Drawing	SD-45280-002-001
Symbol/Footprint Data	SYM-45280-0601-001
Test Summary	TS-45280-001-001

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