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Part Number: [0452800801](#)
Status: **Active**
Overview: Micro-Fit 3.0 Connector System Product Family
Description: Micro-Fit BMI CPI Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 8 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) Plating

Documents:

| | |
|--|--|
| 3D Model | Product Specification TS-45280-001-001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-44300-001-001 (PDF) | Product Literature (PDF) |

Agency Certification

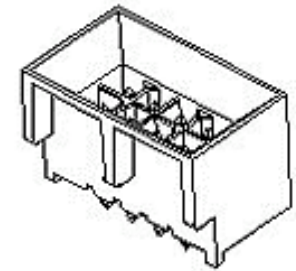
| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|-------------------------------|---|
| Product Family | PCB Headers |
| Series | 45280 |
| Application | Board-to-Board, Power, Wire-to-Board |
| Application Tooling Part Link | 62200-2700 |
| Application Tooling Part Link | 62200-8400 |
| Application Tooling Part Link | 62203-0450 |
| Overview | Micro-Fit 3.0 Connector System Product Family |
| Product Literature Order No | 987650-5984 |
| Product Name | Micro-Fit BMI CPI |
| UPC | 756054634554 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| 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 | 1.822/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 |
| Polarized to PCB | Yes |
| Shrouded | Fully |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40° to +105°C |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant
REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[45280 Series](#)

Mates With

[44133-0800](#) Micro-Fit BMI Panel Mount Receptacle Housing, [44764-0801](#) Micro-Fit BMI Right Angle Receptacle Header, [44769-0801](#) Micro-Fit BMI Vertical Receptacle Header

Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 8.5A

Voltage - Maximum 600V

Solder Process Data

Lead-free Process Capability N/A

Material Info

Reference - Drawing Numbers

Product Specification PS-44300-001-001, TS-45280-001-001

Sales Drawing SD-45280-002

Symbol/Footprint Data SYM-45280-0801

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