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Part Number: [0444322402](#)
Status: **Active**
Overview: Micro-Fit Connector System
Description: Micro-Fit BMI Header, Dual Row, Vertical, with PCB Polarizing Peg, 24 Circuits, 0.38µm Gold (Au) Selective Plating, Kinked Tails

Documents:

| | |
|--|--|
| 3D Model (PDF) | Test Summary 443000002-TS-000 (PDF) |
| Drawing (PDF) | Datasheet (PDF) |
| 3D Model | Symbol Footprint Data SYM-44432-2401-001 (PDF) |
| Product Specification PS-44300-001-001 (PDF) | Symbol Footprint Data SYM-44432-240X-001 (PDF) |
| Packaging Specification PK-44432-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

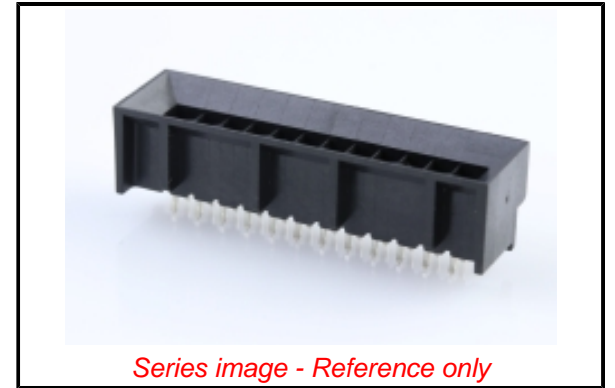
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 44432 |
| Application | Board-to-Board, Power, Wire-to-Board |
| Comments | High Temperature, Square Pin, Solder Type |
| Component Type | PCB Header |
| Overview | <u>Micro-Fit Connector System</u> |
| Product Name | Micro-Fit BMI |
| Taxonomy | PCB Headers and Receptacles |
| UPC | 800756378183 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 24 |
| Circuits (maximum) | 24 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 3.828/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 3.30mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 3.00mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 2.540µm |
| 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 -
D(2022)9120-DC (17
Jan 2023)

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

[44432](#) Series

Mates With

[44133](#) Micro-Fit BMI Panel Mount Receptacle Housing, [44764](#) Micro-Fit BMI Receptacle Header, [44769](#) Micro-Fit BMI Receptacle Header

| | |
|-------------------------------|------------------|
| Termination Interface: Style | Through Hole |
| Electrical | |
| Current - Maximum per Contact | 8.5A |
| Voltage - Maximum | 250V AC (RMS)/DC |

Solder Process Data

| | |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005 |
| Lead-free Process Capability | WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 260 |

Material Info

Reference - Drawing Numbers

| | |
|-------------------------|--|
| Packaging Specification | PK-44432-001-001 |
| Product Specification | PS-44300-001-001 |
| Sales Drawing | SD-44432-001-001 |
| Symbol/Footprint Data | SYM-44432-2401-001, SYM-44432-240X-001 |
| Test Summary | 443000002-TS-000 |

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