

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0444320601

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit BMI Header, Dual Row, Vertical, with PCB Polarizing Peg, 6 Circuits, Tin (Sn) Plating, Kinked Tails

Documents:

- Drawing (PDF)

Datasheet (PDF)
- 3D Model (PDF)

Symbol Footprint Data SYM-44432-0601-001 (PDF)
- 3D Model

Symbol Footprint Data SYM-44432-060X-001 (PDF)
- Product Specification PS-44300-001-001 (PDF)

RoHS Certificate of Compliance (PDF)
- Packaging Specification PK-44432-001-001 (PDF)

Agency Certification

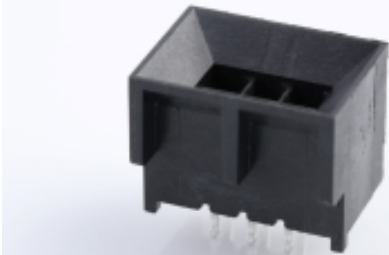
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

General

|                |                                         |
|----------------|-----------------------------------------|
| Product Family | PCB Headers                             |
| Series         | 44432                                   |
| Application    | Board-to-Board, Power, Wire-to-Board    |
| Comments       | High Temperature Square Pin Solder Type |
| Overview       | Micro-Fit Connector System              |
| Product Name   | Micro-Fit BMI                           |
| UPC            | 800753300712                            |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 6                              |
| Circuits (maximum)             | 6                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.512/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           | 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                 |
| Termination Interface: Style   | Through Hole                   |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

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

44432 Series

Mates With

44133 Micro-Fit BMI Panel Mount  
Receptacle Housing, 44764 Micro-Fit BMI  
Receptacle Header, 44769 Micro-Fit BMI  
Receptacle Header

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 8.5A             |
| Voltage - Maximum             | 250V 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                     | 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-44432-0601-001, SYM-44432-060X-001 |

This document was generated on 12/15/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

44432-0601