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**Part Number:** [44068-0277](#)

**Status:** **Active**

**Overview:** [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)

**Description:** 4.20mm Pitch Mini-Fit BMI™ Surface Mount Compatible Header, Dual Row, Vertical, 4 Circuits, 6.35mm PCB Thickness, with Snap-In Metal Pins, PA Polyamide Nylon 4/6, UL 94V-0, with Gold (Au) Over Nickel (Ni) Plating

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-43810-001 \(PDF\)](#)

[Product Specification PS-45750-001 \(PDF\)](#)

[Test Summary TS-43810-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

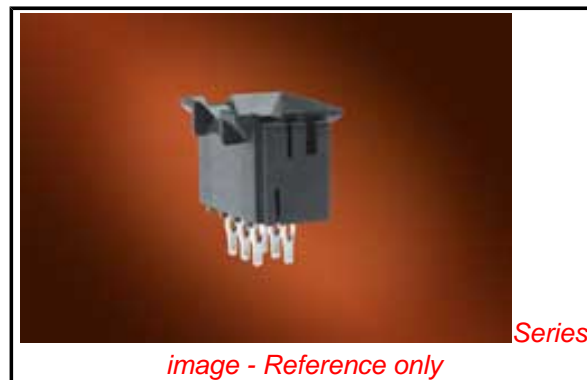
CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series [44068](#)  
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® Blind Mate Interface \(BMI\) Connectors](#)  
Product Name Mini-Fit® BMI  
UPC 756054499603

**Physical**

Breakaway No  
Circuits (Loaded) 4  
Circuits (maximum) 4  
Color - Resin Black  
Durability (mating cycles max) 30  
First Mate / Last Break No  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part Yes  
Keying to Mating Part None  
Lock to Mating Part Yes  
Material - Metal Brass  
Material - Plating Mating Gold  
Material - Plating Termination Gold  
Material - Resin High Temperature Thermoplastic  
Net Weight 3.273/g  
Number of Rows 2  
Orientation Vertical  
PC Tail Length 8.50mm  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 6.35mm  
Packaging Type Tray  
Pitch - Mating Interface 4.20mm  
Pitch - Termination Interface 4.20mm  
Plating min - Mating 0.762µm



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC Contains SVHC: No Low-Halogen Status Not Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[44068Series](#)

**Mates With**

[15-06-0041](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2045](#) Mini-Fit Jr.™ Receptacle, [15-24-7043](#) Mini-Fit® BMI Receptacle Header

Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

### **Electrical**

Current - Maximum per Contact	13A
Voltage - Maximum	600V

### **Solder Process Data**

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

### **Material Info**

#### **Reference - Drawing Numbers**

Product Specification	PS-43810-001, PS-45750-001
Sales Drawing	SD-44068-061
Test Summary	TS-43810-001

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