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Part Number: [44068-0006](#)
Status: **Active**
Overview: [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)
Description: 4.20mm Pitch Mini-Fit SMC™ Surface Mount Compatible Header, Dual Row, Vertical, for 1.60mm PCB, 14 Circuits, Tin (Sn) Plating, with Solderable Retention Clip

Documents:

| | |
|--|--|
| 3D Model | Test Summary TS-43810-001 (PDF) |
| Drawing (PDF) | Test Summary TS-43879-001 (PDF) |
| Product Specification PS-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® SMC |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 14 |
| Circuits (maximum) | 14 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| 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 | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Plating min - Mating | 2.540µm |
| Plating min - Termination | 2.540µm |
| Polarized to PCB | Yes |
| Shrouded | Partial |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

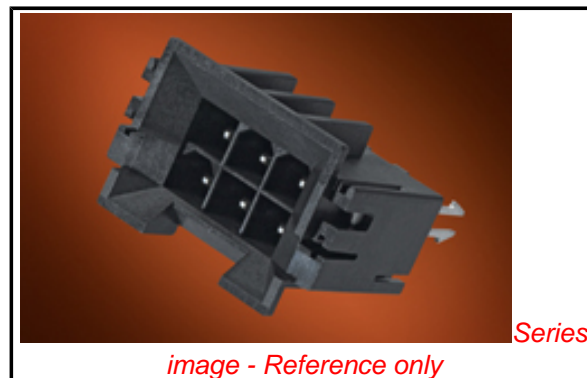


image - Reference only

Series

EU RoHS

ELV and RoHS Compliant

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

China RoHS



Need more information on product environmental compliance?

Email 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

[42385](#) , [42474](#) , [44475](#) , [44516](#) , [5557d](#)

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 3
Lead-free Process Capability Wave Capable (TH only)
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 235

Material Info

UPC 800756049595

Reference - Drawing Numbers

Product Specification PS-43810-001
Sales Drawing SD-44068-031
Test Summary TS-43810-001, TS-43879-001

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