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Part Number: [44068-0041](#)

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, 18 Circuits, Gold (Au) Plating, without Solderable Retention Clip

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

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

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

[Test Summary TS-43879-001 \(PDF\)](#)

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



image - Reference only

Series

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
UPC 800754962155

Physical

Breakaway No
Circuits (Loaded) 18
Circuits (maximum) 18
Color - Resin Black
Durability (mating cycles max) 30
Flammability 94V-0
Glow-Wire Compliant No
Material - Metal Brass
Material - Plating Mating Gold
Material - Plating Termination Gold
Material - Resin High Temperature Thermoplastic
Net Weight 7.646/g
Number of Rows 2
Orientation Vertical
PC Tail Length 3.30mm
PCB Locator Yes
PCB Retention None
PCB Thickness - Recommended 1.60mm
Packaging Type Tray
Pitch - Mating Interface 4.20mm
Pitch - Termination Interface 4.20mm
Plating min - Mating 0.762µm
Plating min - Termination 0.762µm
Polarized to PCB Yes
Shrouded Partial
Stackable No

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
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](#) , [5557](#) Dual Row

| | |
|--------------------------------|-----------------|
| 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-44068-031 |
| Test Summary | TS-43810-001, TS-43879-001 |

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