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Part Number: [44068-0089](#)
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, 4 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
UPC	800755951080

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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
Net Weight	3.183/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	4.88mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	3.20mm
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



image - Reference only

Series

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

[44068](#)Series

Mates With

[42385](#) , [42474](#) , [44475](#) , [44516](#) , [5557](#) Dual Row

Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole

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Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 30
Lead-free Process Capability SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 235

Material Info

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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