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Part Number: [0438100052](#)
Status: **Active**
Description: 4.20mm (.165") Pitch Mini-Fit SMC™ Surface Mount Compatible Header, Dual Row, Right Angle, for 2.39mm (.094") PCB, 18 Circuits, Tin (Sn) Plating, with Solderable Retention Clip

Documents:

[3D Model](#) [Product Specification PS-43810-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

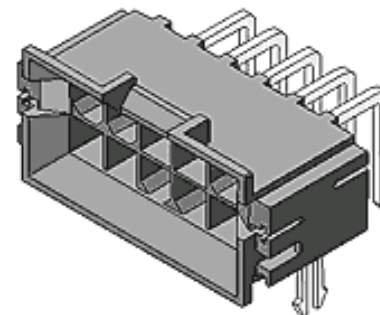
Product Family	PCB Headers
Series	43810
Application	Board-to-Board
Application	Wire-to-Board
Comments	9A max. with Mini-Fit HCS™ Terminals
Product Name	Mini-Fit SMC™

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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.142 In
PC Tail Length (mm)	3.60 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.093 In
PCB Thickness Recommended (mm)	2.40 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.54
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.54
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

Electrical

CSA	LR19980
Current - Maximum	6A
UL	E29179
Voltage - Maximum	600V



Series image - Reference only

EU RoHS

ELV and RoHS Compliant
REACH SVHC
 Not Reviewed
Halogen-Free Status
 Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

Lead-free Process SMC & Wave Capable
 Capability (TH only)
 Process Temperature 235
 max. C

Search Parts in this Series

[43810 Series](#)

Mates With

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

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-43810-001

SD-43810-031

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