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Part Number: [0438100045](#)
Status: **Active**
Description: 4.20mm (.165") Pitch Mini-Fit SMC™ Surface Mount Compatible Header, Dual Row, Right Angle, for 2.39mm (.094") PCB, 4 Circuits, Tin (Sn) Plating, with Solderable Retention Clip

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

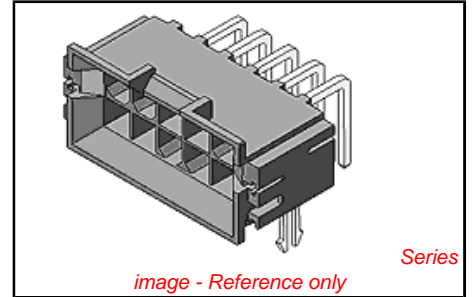
General

Product Family PCB Headers
 Series 43810
 Application Board-to-Board, 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 to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.

Product Name Mini-Fit SMC™

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
 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



<p>EU RoHS ELV and RoHS Compliant REACH SVHC Not Reviewed Halogen-Free Status Not Reviewed</p>	<p>China RoHS</p>
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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
 43810Series

Mates With
 42385 , 42474 , 44475 , 44516 , 5557d

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 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-43810-031

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