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Part Number:

0438100012

Status:

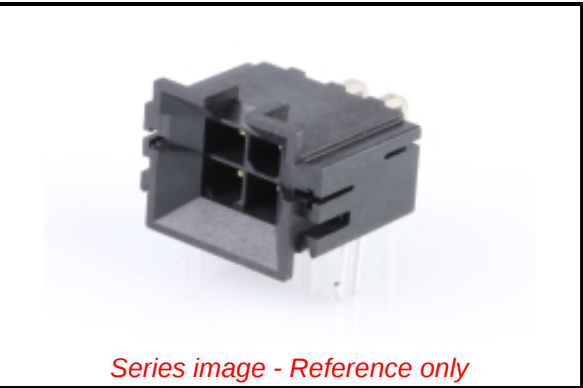
Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit BMI Header, Dual Row, Right-Angle, for 1.60mm PCB, 4 Circuits, Gold (Au) Plating, 260C Wave Solderable, with Retention Clip



|                                                              |                                                                |
|--------------------------------------------------------------|----------------------------------------------------------------|
| Documents:                                                   |                                                                |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Product Specification PS-45750-001-001 (PDF)</a>   |
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification PK-43810-001-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Symbol Footprint Data SYM-43810-0001-001 (PDF)</a> |
| <a href="#">Product Specification PS-43810-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

|                                |                                                                                                                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                                                                                                            |
| CSA                            | LR19980                                                                                                                                                                                                                                    |
| UL                             | E29179                                                                                                                                                                                                                                     |
| General                        |                                                                                                                                                                                                                                            |
| Product Family                 | PCB Headers                                                                                                                                                                                                                                |
| Series                         | 43810                                                                                                                                                                                                                                      |
| 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                       | <a href="#">Mini-Fit Family Power Connectors</a>                                                                                                                                                                                           |
| Product Name                   | Mini-Fit BMI                                                                                                                                                                                                                               |
| UPC                            | 800754911993                                                                                                                                                                                                                               |
| Physical                       |                                                                                                                                                                                                                                            |
| Breakaway                      | No                                                                                                                                                                                                                                         |
| Circuits (Loaded)              | 4                                                                                                                                                                                                                                          |
| Circuits (maximum)             | 4                                                                                                                                                                                                                                          |
| Color - Resin                  | Black                                                                                                                                                                                                                                      |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                         |
| Flammability                   | 94V-0                                                                                                                                                                                                                                      |
| Glow-Wire Capable              | No                                                                                                                                                                                                                                         |
| Material - Metal               | Brass                                                                                                                                                                                                                                      |
| Material - Plating Mating      | Gold                                                                                                                                                                                                                                       |
| Material - Plating Termination | Tin                                                                                                                                                                                                                                        |
| Material - Resin               | High Temperature Thermoplastic                                                                                                                                                                                                             |
| Net Weight                     | 3.455/g                                                                                                                                                                                                                                    |
| Number of Rows                 | 2                                                                                                                                                                                                                                          |
| Orientation                    | Right Angle                                                                                                                                                                                                                                |
| PC Tail Length                 | 3.12mm                                                                                                                                                                                                                                     |
| PCB Locator                    | No                                                                                                                                                                                                                                         |
| PCB Retention                  | Yes                                                                                                                                                                                                                                        |
| 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      | 2.540µm                                                                                                                                                                                                                                    |
| Polarized to Mating Part       | Yes                                                                                                                                                                                                                                        |
| Polarized to PCB               | Yes                                                                                                                                                                                                                                        |
| Shrouded                       | Fully                                                                                                                                                                                                                                      |
| Stackable                      | No                                                                                                                                                                                                                                         |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2021)4569-DC (8 July 2021)              |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Not Low-Halogen                                               |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

43810 Series

Mates With

42385 , 42474 , 44475 , 44516 , 5557 Dual Row

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| Surface Mount Compatible (SMC)                 | Yes                                |
| Temperature Range - Operating                  | -40° to +105°C                     |
| Termination Interface: Style                   | Through Hole                       |
| <b>Electrical</b>                              |                                    |
| Current - Maximum per Contact                  | 13.0A                              |
| Voltage - Maximum                              | 600V AC (RMS)/DC                   |
| <b>Solder Process Data</b>                     |                                    |
| Duration at Max. Process Temperature (seconds) | 005                                |
| Lead-freeProcess Capability                    | WAVE                               |
| Max. Cycles at Max. Process Temperature        | 001                                |
| Process Temperature max. C                     | 260                                |
| <b>Material Info</b>                           |                                    |
| <b>Reference - Drawing Numbers</b>             |                                    |
| Packaging Specification                        | PK-43810-001-000                   |
| Product Specification                          | PS-43810-001-001, PS-45750-001-001 |
| Sales Drawing                                  | SD-43810-011-000                   |
| Symbol/Footprint Data                          | SYM-43810-0001-001                 |

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