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Part Number:

0481041212

Status:

Obsolete

Description:

2.50mm (.098") Pitch, Wire-to-Board, Through Hole, Vertical, 12 Circuits Header, Lead-Free, Red

Documents:

[Drawing \(PDF\)](#)

|                                |                           |
|--------------------------------|---------------------------|
| <b>Agency Certification</b>    |                           |
| CSA                            | LR19980                   |
| TUV                            | 30683046                  |
| UL                             | E29179                    |
| <b>General</b>                 |                           |
| Product Family                 | PCB Headers               |
| Series                         | 48104                     |
| Application                    | Signal, Wire-to-Board     |
| Comments                       | Lead-free part            |
| Product Name                   | N/A                       |
| <b>Physical</b>                |                           |
| Breakaway                      | No                        |
| Circuits (Loaded)              | 12                        |
| Circuits (maximum)             | 12                        |
| Durability (mating cycles max) | 50                        |
| First Mate / Last Break        | No                        |
| Flammability                   | 94V-0                     |
| Glow-Wire Compliant            | No                        |
| Guide to Mating Part           | No                        |
| Keying to Mating Part          | None                      |
| Lock to Mating Part            | Yes                       |
| Mated Height                   | 6.00mm (.236")            |
| Material - Plating Mating      | Tin                       |
| Material - Plating Termination | Tin                       |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| PC Tail Length                 | 3.20mm (.126")            |
| PCB Locator                    | No                        |
| PCB Retention                  | Yes                       |
| PCB Thickness - Recommended    | 1.60mm (.063")            |
| Packaging Type                 | Bag                       |
| Pitch - Mating Interface       | 2.50mm (.098")            |
| Polarized to PCB               | No                        |
| Shrouded                       | Fully                     |
| Stackable                      | No                        |
| Surface Mount Compatible (SMC) | No                        |
| Temperature Range - Operating  | -25°C to +85°C            |
| Termination Interface: Style   | Through Hole - Kinked Pin |
| <b>Electrical</b>              |                           |
| Current - Maximum per Contact  | 3A                        |
| Voltage - Maximum              | 250V                      |
| <b>Solder Process Data</b>     |                           |
| Lead-free Process Capability   | Wave Capable (TH only)    |
| Process Temperature max. C     | 260                       |

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

China RoHS



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Email [productcompliance@molex.com](mailto: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

48104Series

Mates With

48103 Wire-to-Board Housing. 48102 Wire-to-Board Crimp Terminal

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-48104-001 |
| Product Specification   | PS-48104-001 |
| Sales Drawing           | SD-48104-001 |
| Test Summary            | TS-48104-001 |

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