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Part Number:

172042-0508

Status:

Active

Description:

Vertical Header, 5 Circuit, Long Solder Tail with Board Lock

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

|                |                                            |
|----------------|--------------------------------------------|
| General        |                                            |
| Product Family | PCB Headers                                |
| Series         | 172042                                     |
| Application    | Power, Signal, Wire-to-Board               |
| Comments       | Operating Temperature Per USCAR-2; Class 3 |
| Product Name   | N/A                                        |
| UPC            | 887191565323                               |

|                                |                                |
|--------------------------------|--------------------------------|
| Physical                       |                                |
| Breakaway                      | No                             |
| Circuits (Loaded)              | 5                              |
| Circuits (maximum)             | 5                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 25                             |
| First Mate / Last Break        | No                             |
| Glow-Wire Compliant            | Yes                            |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Copper                         |
| Material - Plating Mating      | Silver                         |
| Material - Plating Termination | Matte Tin, Nickel              |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 6.405/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 5.33mm                         |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 7.50mm                         |
| Plating min - Mating           | 0.025µm                        |
| Plating min - Termination      | 0.025µm                        |
| Polarized to Mating Part       | Yes                            |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40°C to +125°C                |
| Termination Interface: Style   | Through Hole                   |

|                               |               |
|-------------------------------|---------------|
| Electrical                    |               |
| Current - Maximum per Contact | 30A per blade |
| Voltage - Maximum             | 600V AC (RMS) |

|                                                |                              |
|------------------------------------------------|------------------------------|
| 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        | 3                            |
| Process Temperature max. C                     | 260                          |

Material Info

|                             |               |
|-----------------------------|---------------|
| Reference - Drawing Numbers |               |
| Sales Drawing               | SD-172042-001 |



image - Reference only

Series

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS



Need more information on product environmental compliance?

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

172042Series

Mates With

44441 Crimp Housing

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