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Part Number: [172042-0405](#)
Status: **Active**
Description: Vertical Header, 4 Circuit, Long Solder Tail without Board Lock, Complies with the UL1977 finger proof standards

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 | 887191565217 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| 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 | 5.104/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| PC Tail Length | 5.33mm |
| PCB Retention | None |
| 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 |
|---------------|---------------|



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
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

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Mates With

[44441 Crimp Housing](#)

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