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Part Number: [172042-0601](#)
Status: **Active**
Description: Vertical Header, 6 Circuit, Short 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	887191565330

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
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	7.198/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.81mm
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
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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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