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Part Number: [1720420301](#)
Status: **Active**
Overview: [Super Sabre Connector System](#)
Description: Super Sabre Vertical Header, 3 Circuit, Short Solder Tail without Board Lock, Complies with UL1977 Finger Proof Standards, Glow-Wire Capable

Documents:

| | |
|---|--|
| 3D Model | Packaging Specification PK-43789-001-001 (PDF) |
| Drawing (PDF) | Test Summary TS-171825-001-001 (PDF) |
| 3D Model (PDF) | Symbol Footprint Data SYM-172042-0301 (PDF) |
| Product Specification PS-171825-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |



Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|--|
| Product Family | PCB Headers |
| Series | 172042 |
| Application | Power, Signal, Wire-to-Board |
| Comments | Operating Temperature Per USCAR-2; Class 3 |
| Overview | Super Sabre Connector System |
| Product Name | Super Sabre |
| UPC | 887191565088 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 3 |
| Circuits (maximum) | 3 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | 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 | 3.975/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° to +125°C |
| Termination Interface: Style | Through Hole |

Electrical

| | |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 30.0A per blade |
| Voltage - Maximum | 600V AC (RMS) |

Solder Process Data

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[172042](#) Series

Mates With

[172672](#) Crimp Housing

| | |
|--|----------|
| Duration at Max. Process Temperature (seconds) | 030 |
| Lead-freeProcess Capability | SMC&WAVE |
| Max. Cycles at Max. Process Temperature | 003 |
| Process Temperature max. C | 260 |

Material Info

Reference - Drawing Numbers

| | |
|-------------------------|-------------------|
| Packaging Specification | PK-43789-001-001 |
| Product Specification | PS-171825-001-001 |
| Sales Drawing | SD-172042-001-001 |
| Symbol/Footprint Data | SYM-172042-0301 |
| Test Summary | TS-171825-001-001 |

This document was generated on 07/16/2020

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