



**Part Number :** [1720420302](#)  
**Product Description :** Super Sabre Vertical Header, 3 Circuit, Short Solder Tail with Board Lock, Complies with UL1977 Finger Proof Standards, Glow-Wire Capable  
**Series Number :** 172042  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings


- [1720420302 sd.pdf](#)
- [PK-43789-001-001.pdf](#)
- 3D Models and Design Files
- [1720420302 stp.zip](#)
- [SYM-172042-0302-001.zip](#)

### Specifications

- [PS-171825-001-001.pdf](#)
- [TS-171825-001-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- REACH SVHC

- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	172042
Description	Super Sabre Vertical Header, 3 Circuit, Short Solder Tail with Board Lock, Complies with UL1977 Finger Proof Standards, Glow-Wire Capable
Application	Power, Signal, Wire-to-Board
Comments	Operating Temperature Per USCAR-2; Class 3
Component Type	PCB Header
Product Name	Super Sabre
UPC	887191565095

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

## 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	4.223/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Retention	Yes
PC Tail Length	3.81mm
Pitch - Mating Interface	7.50mm
Plating min - Mating	0.025µm
Plating min - Termination	0.025µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	30
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

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## Mates With / Use With

**Mates with Part(s)**

Description	Part Number
Super Sabre Single Row Receptacle Housings	<u>172672</u>