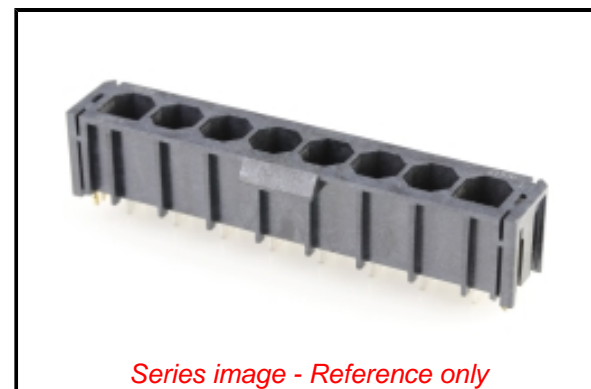


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1720420802](#)
Status: **Active**
Overview: [Super Sabre Connector System](#)
Description: Super Sabre Vertical Header, 8 Circuit, Short Solder Tail with Board Lock, Complies with UL1977 Finger Proof Standards, Glow-Wire Capable

Documents:

| | |
|---|---|
| Drawing (PDF) | Packaging Specification PK-43789-001-001 (PDF) |
| 3D Model | Test Summary TS-171825-001-001 (PDF) |
| 3D Model (PDF) | Symbol Footprint Data SYM-172042-0802-001 (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 | 887191565422 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| 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 | 9.546/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| PC Tail Length | 3.81mm |
| 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° 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(2021)4569-DC (8
July 2021)

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-172042-0802-001 |
| Test Summary | TS-171825-001-001 |

This document was generated on 10/06/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Power to the Board](#) category:

Click to view products by [Molex](#) manufacturer:

Other Similar products are found below :

[6450171-4](#) [6450552-7](#) [6600323-8](#) [6643429-1](#) [6646040-2](#) [6651939-1](#) [6766604-1](#) [120959-1](#) [1393557-2](#) [1393532-2](#) [1393532-3](#) [1393532-4](#)
[1393557-1](#) [1600812-5](#) [1-6450861-2](#) [1744132-7](#) [1761122-1](#) [1766250-1](#) [1892109-1](#) [2-6450860-5](#) [2-6450870-0](#) [1-6450161-4](#) [1-6450850-6](#) [1-6450869-6](#) [1645526-2](#) [1-6600130-0](#) [2005243-2](#) [377-0020-11130](#) [TE34-12-16P-F0](#) [5-6450830-6](#) [5646956-4](#) [377-0080-11131A](#) [4-6450830-9](#)
[4-6600333-3](#) [10125416-4050LF](#) [6600320-3](#) [3-6450860-5](#) [1888123-2](#) [6450166-1](#) [6643978-1](#) [6766605-1](#) [701-15-02109](#) [N11444](#) [6651938-1](#)
[6450810-7](#) [46437-1112](#) [1-1589677-8](#) [5646956-5](#) [6450813-2](#) [6450129-4](#)