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**Part Number:** [1720420206](#)  
**Status:** **Active**  
**Overview:** [Super Sabre Connector System](#)  
**Description:** Super Sabre Vertical Header, 2 Circuit, Long Solder Tail with Board Lock, Complies with the UL1977 finger proof standards

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification TS-171825-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-43789-001-001 (PDF)</a>
<a href="#">Product Specification PS-171825-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">172042</a>
Application	Power, Signal, Wire-to-Board
Comments	Operating Temperature Per USCAR-2; Class 3
Overview	<a href="#">Super Sabre Connector System</a>
Product Name	Super Sabre
UPC	887191565057

**Physical**

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
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	3.183/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	5.33mm
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°C 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**

Duration at Max. Process Temperature (seconds)	030
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*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[172042](#) Series

**Mates With**

[172672](#) Crimp Housing

Lead-free Process Capability  
Max. Cycles at Max. Process Temperature  
Process Temperature max. C

SMC&WAVE  
003  
260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification  
Product Specification  
Sales Drawing

PK-43789-001-001  
PS-171825-001-001, TS-171825-001-001  
SD-172042-001

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