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**Part Number:** [1720430801](#)  
**Status:** **Active**  
**Overview:** [Super Sabre Connector System](#)  
**Description:** Super Sabre Right-Angle Header, 8 Circuit, Short Solder Tail without Board Lock, Complies with the UL1977 finger proof standards

**Documents:**  
[3D Model](#) [Product Specification TS-171825-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Packaging Specification PK-43789-001-001 \(PDF\)](#)  
[Product Specification PS-171825-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

|                             |                                              |
|-----------------------------|----------------------------------------------|
| <b>Agency Certification</b> |                                              |
| CSA                         | LR19980                                      |
| UL                          | E29179                                       |
| <b>General</b>              |                                              |
| Product Family              | PCB Headers                                  |
| Series                      | <a href="#">172043</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                         | 887191566023                                 |

|                                |                                |
|--------------------------------|--------------------------------|
| <b>Physical</b>                |                                |
| 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                     | 10.602/g                       |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| 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                   |

|                               |                 |
|-------------------------------|-----------------|
| <b>Electrical</b>             |                 |
| Current - Maximum per Contact | 30.0A per blade |
| Voltage - Maximum             | 600V AC (RMS)   |

|                                                |     |
|------------------------------------------------|-----|
| <b>Solder Process Data</b>                     |     |
| Duration at Max. Process Temperature (seconds) | 030 |



Series image - Reference only

|                                                                                                                                                                                                                                               |                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                          |                                                                                               |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>ED/61/2018 (27 June<br>2018)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                               | Green Image<br>Not Relevant<br>Not Contained                                                  |

**Search Parts in this Series**  
[172043](#) Series

**Mates With**  
[172672](#) Crimp Housing

|                                         |                    |          |
|-----------------------------------------|--------------------|----------|
| Lead-free                               | Process 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, TS-171825-001-001 |
| Sales Drawing           | SD-172043-001                        |

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