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**Part Number:** [43160-3102](#)  
**Status:** **Active**  
**Overview:** Sabre™ Power Connector  
**Description:** Sabre™ Right Angle Header, 2 Circuits, Glow Wire Compatible. Recommended PCB Thickness 1.60mm, with Board Lock

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)

**Agency Certification**

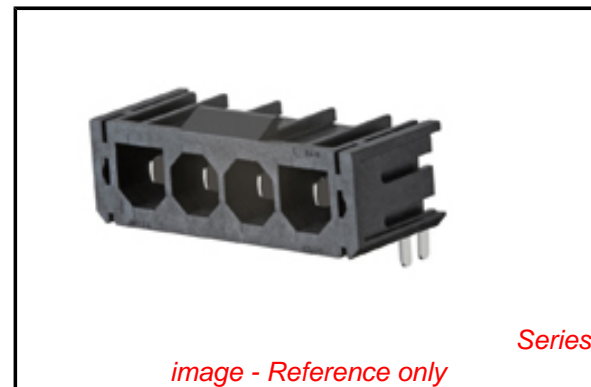
|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72130381 |
| UL  | E29179    |

**General**

|                             |   |
|-----------------------------|---|
| Product Family              | PCB Headers   |
| Series                      | <a href="#">43160</a>   |
| Application                 | Power, Wire-to-Board  |
| Comments                    | "Fully Polarized, high power wire to board and wire to wire connector system<P><P>This Molex product is manufactured from material that has the following ratings, tested by independent agencies:. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. <P><P> The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options." |
| Overview                    | <a href="#">Sabre™ Power Connector</a>  |
| Product Literature Order No | 987650-5662   |
| Product Name                | Sabre™  |
| UPC                         | 800754378185  |

**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 Compliant            | Yes   |
| Guide to Mating Part           | No    |
| Keying to Mating Part          | Yes   |
| Lock to Mating Part            | Yes   |



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[43160Series](#)

**Mates With**

[44441-2002 Sabre™ Receptacle Housing](#)

|                                |                                |
|--------------------------------|--------------------------------|
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 3.331/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 3.81mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 7.50mm                         |
| Pitch - Termination Interface  | 7.50mm                         |
| Plating min - Mating           | 0.889µm                        |
| Plating min - Termination      | 0.889µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | No                             |
| Temperature Range - Operating  | -40°C to +75°C                 |
| Termination Interface: Style   | Through Hole                   |

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 18A  |
| Voltage - Maximum             | 600V |

### Solder Process Data

|  |                        |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 235                    |

### Material Info

### Reference - Drawing Numbers

|               |                |
|---------------|----------------|
| Sales Drawing | SDA-43160-**** |
|---------------|----------------|

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