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**Part Number:** [0431600103](#)  
**Status:** **Active**  
**Overview:** [Sabre Power Connector](#)  
**Description:** Sabre Vertical Header, 3 Circuits, Glow-Wire Capable, PCB Thickness 1.60mm, without Board Lock

**Documents:**

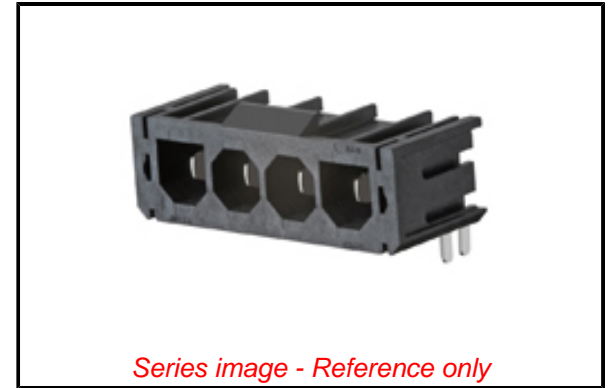
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)  
[Product Specification PS-44441-9999-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [43160](#)  
 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.""  
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/88/2018 (15  
 January 2019)

**Halogen-Free**

**Status**

**Not 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**

[43160 Series](#)

**Mates With**

[444412003 Sabre Receptacle Housing](#)

performance is required, please contact Molex for possible product options. """"""""

|                             |                              |
|-----------------------------|------------------------------|
| Overview                    | <u>Sabre Power Connector</u> |
| Product Literature Order No | 987650-5662                  |
| Product Name                | Sabre                        |
| UPC                         | 800754377515                 |

#### 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                            |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | Yes                            |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 3.789/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 3.81mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | N/A                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Bag                            |
| 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° to +75°C                  |
| Termination Interface: Style   | Through Hole                   |

#### Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 18.0A |
| Voltage - Maximum             | 600V  |

#### Solder Process Data

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-free Process Capability                   | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 235  |

#### Material Info

#### Reference - Drawing Numbers

|                       |                   |
|-----------------------|-------------------|
| Product Specification | PS-44441-9999-001 |
| Sales Drawing         | SDA-43160-XXXX    |

This document was generated on 02/27/2019

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