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**Part Number:** [0460071302](#)  
**Status:** **Active**  
**Overview:** [Sabre Power Connector](#)  
**Description:** 7.50mm Pitch Sabre Header, Right-Angle, 2 Circuits, Glow-Wire Capable. Recommended PCB Thickness 2.40mm, without Board Lock. Complies with the UL1977 finger proof access requirement

**Documents:**

|   |  |
|---|--|
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Packaging Specification PK-43789-001-001 (PDF)</a> |
| <a href="#">3D Model</a>                                      | <a href="#">Symbol Footprint Data SYM-46007-1102-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification PS-44441-9999-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                       |

**Agency Certification**

UL E29179

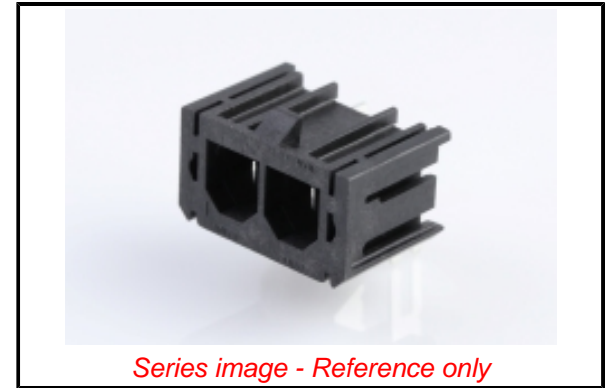
**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">46007</a>   |
| Application    | Power, Wire-to-Board  |
| Comments       | <p>*****Fully Polarized, high power wire to board and wire to wire connector system&lt;P&gt;&lt;P&gt;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. &lt;P&gt;&lt;P&gt; 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). &lt;P&gt; If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.*****</p> |

|              |                                       |
|--------------|---------------------------------------|
| Overview     | <a href="#">Sabre Power Connector</a> |
| Product Name | Sabre                                 |
| UPC          | 822350246187                          |

**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   |
| Guide to Mating Part           | No    |
| Keying to Mating Part          | Yes   |
| Lock to Mating Part            | Yes   |
| Material - Metal               | Brass |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - D(2021)4569-DC (8 July 2021)

**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**

[46007 Series](#)

**Mates With**

[444412002 Sabre Receptacle Housing](#)

|                                |                                |
|--------------------------------|--------------------------------|
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 3.095/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 5.33mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | N/A                            |
| PCB Thickness - Recommended    | 2.40mm                         |
| 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° 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

|                         |                    |
|-------------------------|--------------------|
| Packaging Specification | PK-43789-001-001   |
| Product Specification   | PS-44441-9999-001  |
| Sales Drawing           | 460070001-SD-000   |
| Symbol/Footprint Data   | SYM-46007-1102-001 |

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