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Part Number:

46007-1302

Status:

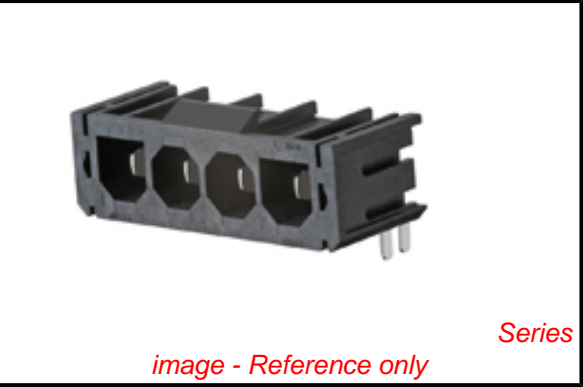
Active

Overview:

Sabre™ Power Connector

Description:

7.50mm Pitch Sabre™ Header, Right Angle, 2 Circuits, Glow Wire Compatible.  
Recommended PCB Thickness 2.40mm, without Board Lock. Complies with the UL1977 finger proof access requirement



Documents:

3D Model

Drawing (PDF)

Product Specification PS-44441-9999 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)

| Agency Certification           |   |
|--------------------------------|---|
| UL                             | E29179  |
| General                        |   |
| Product Family                 | PCB Headers   |
| Series                         | 46007   |
| 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                            | 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 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

46007Series

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                     | 3.095/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°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**

|                       |               |
|-----------------------|---------------|
| Product Specification | PS-44441-9999 |
| Sales Drawing         | SD-46007-001  |