

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0431607302](#)  
**Status:** **Active**  
**Overview:** [Sabre Power Connector](#)  
**Description:** 7.50mm Pitch Sabre Header, Right-Angle, 2 Circuits, Glow-Wire Capable, PCB Thickness 3.20mm, with Board Lock

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-43789-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Symbol Footprint Data SYM-43160-3102-001 (PDF)</a>
<a href="#">Product Specification PS-44441-9999-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

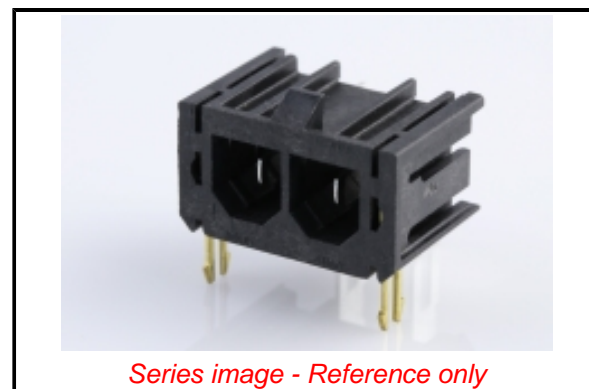
**General**

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; 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. 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). 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 Name	Sabre
Taxonomy	PCB Headers and Receptacles
UPC	800753845923

**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(2022)4187-DC (10 June 2022)

**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**

[444412002 Sabre Receptacle Housing](#)

Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.427/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	5.33mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	3.20mm
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	431600001-SD-000
Symbol/Footprint Data	SYM-43160-3102-001

This document was generated on 10/11/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**