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Part Number: 0431606304

Status: Active

Overview: Sabre Power Connector

**Description:** 7.50mm Pitch Sabre Header, Vertical, 4 Circuits, Glow-Wire Capable, PCB Thickness

3.20mm, with Board Lock

**Documents:** 

<u>3D Model</u> <u>Packaging Specification PK-43789-001-001 (PDF)</u> 3D Model (PDF) Symbol Footprint Data SYM-43160-2104 (PDF)

<u>Drawing (PDF)</u> <u>RoHS Certificate of Compliance (PDF)</u>

Product Specification PS-44441-9999-001 (PDF)

Product Literature (PDF)

**Agency Certification** 

CSA LR19980 UL E29179

General

Product Family PCB Headers

Series <u>43160</u>

Application Power, Wire-to-Board Comments """"""Fully Polarized,

"""""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.""""""

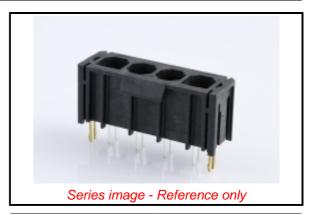
Overview <u>Sabre Power Connector</u>

Product Name Sabre

UPC 800753845817

**Physical** 

Breakaway No Circuits (Loaded) 4 Circuits (maximum) 4 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** 



**EU ELV** 

**Not Relevant** 

EU RoHS China RoHS

Compliant

REACH SVHC
Not Contained Per -

D(2020)4578-DC (25

June 2020)
Halogen-Free

Status

**Not Low-Halogen** 

For more information, please visit Contact US

China ROHS Green Image
ELV Not Relevant
RoHS Phthalates Not Contained

**Search Parts in this Series** 

43160 Series

**Mates With** 

444412004 Sabre Receptacle Housing

Material - Plating Mating Tin Material - Plating Termination Tin

Material - Resin High Temperature Thermoplastic

Net Weight 5.221/g Number of Rows Orientation Vertical PC Tail Length 5.33mm **PCB** Locator Yes **PCB** Retention Yes PCB Thickness - Recommended 3.20mm 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)

Lead-freeProcess Capability

Max. Cycles at Max. Process Temperature

O01

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-43160-2104

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