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Part Number: **0431601308**
Status: **Active**
Overview: Sabre™ Power Connector
Description: Sabre™ Right Angle Header, 8 Circuits, Glow Wire Compatible, PCB Thickness 2.40mm, without Board Lock

Documents:

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

Agency Certification

CSA LR19980
TUV R72130381

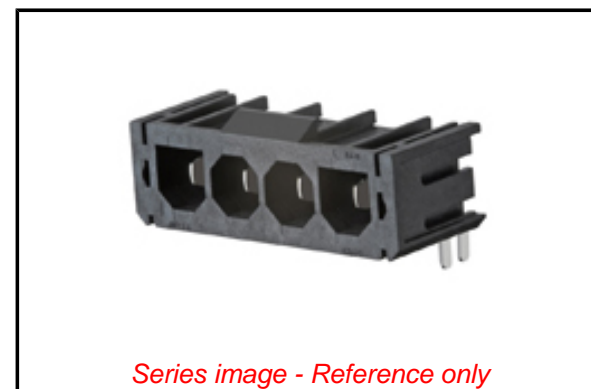
General

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."

Overview [Sabre™ Power Connector](#)
Product Literature Order No 987650-5662
Product Name Sabre™
UPC 822350233484

Physical

Breakaway No
Circuits (Loaded) 8
Circuits (maximum) 8
Color - Resin Natural
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
Material - Metal Brass



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contains SVHC(2015 June 15): No

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS
ELV

Green Image
Not Relevant

Search Parts in this Series

[43160 Series](#)

Mates With

[44441-2008 Sabre™ Receptacle Housing](#)

| | |
|--------------------------------|--------------------------------|
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 10.010/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length | 5.33mm |
| PCB Locator | Yes |
| 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 | 18.0A |
| Voltage - Maximum | 600V |

Solder Process Data

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

Material Info

Reference - Drawing Numbers

| | |
|-----------------------|---------------|
| Product Specification | PS-44441-9999 |
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