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Part Number: [43160-3103](#)
Status: **Active**
Overview: Sabre™ Power Connector
Description: Sabre™ Right Angle Header, 3 Circuits, Glow Wire Compatible. Recommended PCB Thickness 1.60mm, with Board Lock

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)

Agency Certification

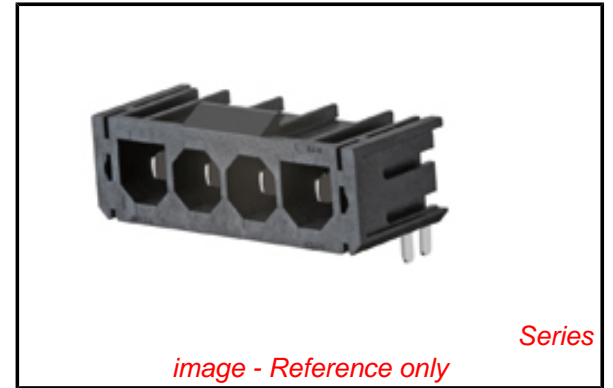
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|-----|-----------|
| CSA | LR19980 |
| TUV | R72130381 |
| UL | E29179 |

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 | 800754378215 |

Physical

| | |
|--------------------------------|-------|
| Breakaway | No |
| Circuits (Loaded) | 3 |
| Circuits (maximum) | 3 |
| 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
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

[43160Series](#)

Mates With

[44441-2003 Sabre™ Receptacle Housing](#)

| | |
|--------------------------------|--------------------------------|
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 4.495/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length | 3.81mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| 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

| | |
|---------------|----------------|
| Sales Drawing | SDA-43160-**** |
|---------------|----------------|

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