**Part Number :** 431601105
**Product Description :** Sabre Right-Angle Header, 7.50mm Pitch, 5 Circuits, Glow-Wire Capable, 3.81mm Tail Length, for 1.60mm PCB, without Board Lock
**Series Number :** 43160
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

431601105_sd.pdf

PK-43160-0010-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-43160-1105-001.zip

### Specifications

PS-44441-9999-001.pdf

444410000-TS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS

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- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 43160 |
| Description | Sabre Right-Angle Header, 7.50mm Pitch, 5 Circuits, Glow-Wire Capable, 3.81mm Tail Length, for 1.60mm PCB, without Board Lock |
| Application | 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 |

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| | |
|---|---|
| | 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. |
| Component Type | PCB Header |
| Product Name | Sabre |
| UPC | 800754377874 |

**Agency**

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

**Electrical**

| | |
|---|---|
| Current - Maximum per Contact | 18.0A |
| Voltage - Maximum | 600V |

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 5 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Gender | Male |
| Glow-Wire Capable | Yes |
| Guide to Mating Part | No |
| Keying to Mating Part | No |

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| | |
|---|---|
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Mounting Style | Through Hole |
| Net Weight | 6.478/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| Packaging Type | Bag |
| PCB Locator | No |
| PCB Retention | No |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 3.81mm |
| Pitch - Mating Interface | 7.50mm |
| Pitch - Termination Interface | 7.50mm |
| Plating min - Mating | 1.520µm |
| Plating min - Termination | 1.520µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Shrouded |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

### Solder Process Data

| | |
|---|---|
| Max-Duration | 5 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 235 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|

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|---|---|
| Sabre Receptacle Housing, 7.50mm Pitch, UL 94V-0, 5 Circuits, Black | 444412005 |



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