

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0431600304

Status:

Active

Overview:

Sabre™ Power Connector

Description:

Sabre™ Vertical Header, 4 Circuits, Glow Wire Compatible, PCB Thickness 2.40mm, without Board Lock

Documents:

- 3D Model

RoHS Certificate of Compliance (PDF)
- Drawing (PDF)

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

Agency Certification

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	800754377690

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 Compliant	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes



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

44441-2004 Sabre™ Receptacle Housing

Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	4.919/g
Number of Rows	1
Orientation	Vertical
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
Sales Drawing	SDA-43160-****

This document was generated on 11/04/2015
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION