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Part Number: **0431600104**
Status: **Active**
Overview: Sabre Power Connector
Description: Sabre Vertical Header, 4 Circuits, Glow-Wire Capable, PCB Thickness 1.60mm, without Board Lock

Documents:

Drawing (PDF)	Test Summary 444410000-TS-000 (PDF)
3D Model	Datasheet (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-43160-0104-001 (PDF)
Product Specification PS-44441-9999-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-43160-0010-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

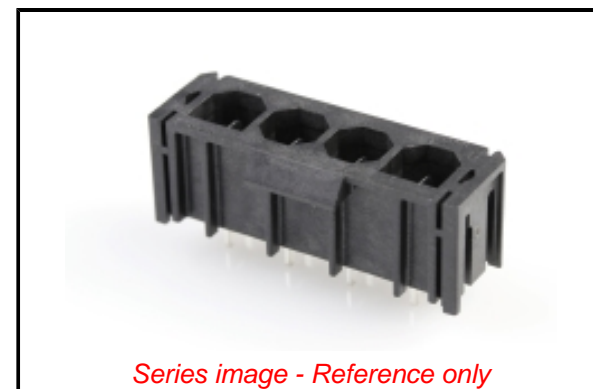
General

Product Family	PCB Headers
Series	<u>43160</u>
Application	Power, Wire-to-Board
Comments	<p>*****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.*****</p>

Overview	<u>Sabre Power Connector</u>
Product Name	Sabre
UPC	800754377553

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - D(2021)4569-DC (8 July 2021)

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 - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	4.839/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.81mm
PCB Locator	Yes
PCB Retention	N/A
PCB Thickness - Recommended	1.60mm
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)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-43160-0010-001
Product Specification	PS-44441-9999-001
Sales Drawing	431600001-SD-000
Symbol/Footprint Data	SYM-43160-0104-001
Test Summary	444410000-TS-000

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