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Part Number: 0460075102

Status: Active

Overview: Sabre Power Connector

Description: 7.50mm Pitch Sabre Header, Right-Angle, 2 Circuits, Glow-Wire Capable. Recommended PCB Thickness 1.60mm, with Board Lock. Complies with the UL1977 finger proof access requirement

Series image - Reference only

Documents:

Drawing (PDF)
Product Specification PS-44441-9999-001 (PDF)
Packaging Specification PK-43789-001-001 (PDF)
Symbol Footprint Data SYM-46007-3102 (PDF)
RoHS Certificate of Compliance (PDF)
Product Literature (PDF)

Agency Certification	
UL	E29179
General	
Product Family	PCB Headers
Series	46007
Application	Power, Wire-to-Board
Comments	Fully Polarized, high power wire to board and wire to wire connector system. Complies with the UL1977 finger proof access requirement<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 Name	Sabre
UPC	822350246149
Physical	
Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
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
Material - Metal	Brass

EU ELV
Not Relevant

EU RoHS | **China RoHS**
Compliant

REACH SVHC
Contained Per - D(2020)4578-DC (25 June 2020)
decamethylcyclopentasiloxane
benzene-1,2,4-tricarboxylic acid 1,2-anhydride
decamethylcyclopentasiloxane
dodecamethylcyclohexasiloxane
benzene-1,2,4-tricarboxylic acid 1,2-anhydride
octamethylcyclotetrasiloxane
disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)
dodecamethylcyclohexasiloxane
heptacosafluorotetradecanoic acid
tricosafluorododecanoic acid
di-n-pentyl phthalate (DPP)
6-methoxy-m-toluidine
diisopentylphthalate
methoxyacetic acid
dibutyltin dichloride
4,4'-methylenedi-o-toluidine
1-vinylimidazole
1,3-propanesultone
chromium trioxide
disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo]
henicosafluoroundecanoic acid

Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.327/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	3.81mm
PCB Locator	No
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
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

Packaging Specification	PK-43789-001-001
Product Specification	PS-44441-9999-001
Sales Drawing	460070001-SD-000
Symbol/Footprint Data	SYM-46007-3102

Silicic acid (H2Si2O5), barium salt (1:1), lead-[phthalato(2-)]dioxotrilead
Fatty acids, C16-18, lead salts
4-aminoazobenzene
diethyl sulphate
dimethyl sulphate
N-methylacetamide
dicyclohexyl phthalate
dihexyl phthalate (DnHP)
dinoseb (ISO)
butyl 4-hydroxybenzoate
o-toluidine
4-methyl-m-phenylenediamine
ethylene thiourea
4-o-tolylazo-o-toluidine
nitrobenzene
1-bromopropane
furan
Zirconia Aluminosilicate Refractory Ceramic Fibr
Trixylyl phosphate
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio
Tris(4-nonylphenyl, branched and linear) phosphi
Pyrene
Cadmium nitrate
Chrysene
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Reaction products of 1,3,4-thiadiazolidine-2,5-d
Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
hexahydro-2-benzofuran-1,3-dione
Sodium perborate; perboric acid, sodium salt
Cadmium sulphate
1,2-benzenedicarboxylic acid, di-C6-10-alkyl est
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5

Perfluorohexane-1-sulphonic acid and its salts
ammoniumpentadecafluorooctanoate
sodium peroxometaborate
disodium octaborate
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,
dibutylbis(pentane-2,4-dionato-O,O')tin
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-b
Terphenyl, hydrogenated
1,2-Benzenedicarboxylic acid, dihexyl ester, bra
pentacosafluorotridecanoic acid
1,2-benzenedicarboxylic acid, dipentylester, bra
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidi
n-pentyl-isopentylphthalate
1,3-BENZENEDIOL, TRINITRO-, LEAD SALT
Hydrazine
Disodium tetraborate
Boric acid
Aluminosilicate Refractory Ceramic Fibres
tetraboron disodium heptaoxide, hydrate
cobalt carbonate
cobalt di(acetate)
cobalt sulphate
2-ethoxyethyl acetate
1,2-benzenedicarboxylic acid; di-C7-11-branched
N-methyl-2-pyrrolidone
1,2-benzenedicarboxylic acid; di-C6-8-branched a
calcium arsenate
bis(2-methoxyethyl) ether
potassium hydroxyoctaoxodizincatedichromate(1-)

lead dipicrate
N,N-dimethylacetamide
arsenic acid
2-methoxyaniline
trilead diarsenate
1,2-dichloroethane
pentazinc chromate octahydroxide
triethyl arsenate
4,4'-diaminodiphenylmethane
dibutyl phthalate (DBP)
bis(2-ethylhexyl) phthalate (DEHP)
lead hydrogen arsenate
Butylbenzylphthalate (BBP)
Anthracene oil, anthracene paste; Anthracene Oil
Anthracene oil, anthracene paste, anthracene fra
Anthracene oil, anthracene paste, distn. lights;
Anthracene oil, anthracene-low; Anthracene Oil F
lead chromate
Lead chromate molybdate sulfate red
Lead sulfochromate yellow
tris(2-chloroethyl) phosphate
ammonium dichromate
potassium chromate
potassium dichromate
sodium chromate
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phen
α,α#Bis[4-(dimethylamino)phenyl]-4(phenylamino)
lead
cadmium
cadmium fluoride
pyrochlore, antimony lead yellow
lead dinitrate
cadmium chloride
Silicic acid, lead salt
lead oxide sulfate
pentalead tetraoxide sulphate
trilead dioxide phosphonate
tetralead trioxide sulphate

dioxobis(stearato)trilead
Lead titanium
zirconium oxide
cadmium hydroxide
Acetic acid, lead salt,
basic
Sulfurous acid, lead
salt, dibasic
Formaldehyde,
polymer with
benzenamine
bis(2-methoxyethyl)
phthalate
lead diazide
phenolphthalein
dichromium
tris(chromate)
4,4'-
bis(dimethylamino)benzophenone
1,2-dimethoxyethane
cadmium carbonate
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
4,4'-
bis(dimethylamino)-4''-
(methylamino)trityl
bis(pentabromophenyl)
ether
diboron trioxide
cadmium oxide (non-
pyrophoric)
cadmium sulphide
orange lead
trilead bis(carbonate)
dihydroxide
Lead oxide
1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(

Halogen-Free Status

Not Low-Halogen

For more information, please visit Contact US

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

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46007 Series