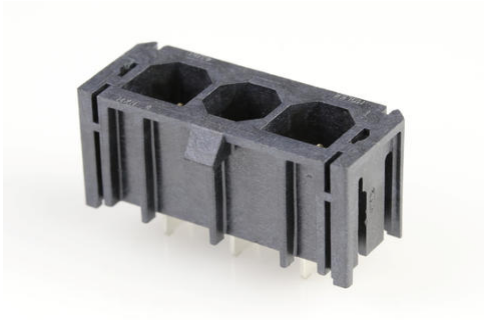
molex



Part Number : 1720420301
Product Description : Super Sabre Vertical Header, 3 Circuit, Short Solder Tail without Board Lock, Complies with UL1977 Finger Proof Standards, Glow-Wire Capable
Series Number : 172042
Status : Active
Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

1720420301_sd.pdf

PK-43789-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-172042-0301-001.zip

Specifications

PS-171825-001-001.pdf

TS-171825-001-001.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	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- 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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	172042
Description	Super Sabre Vertical Header, 3 Circuit, Short Solder Tail without Board Lock, Complies with UL1977 Finger Proof Standards, Glow-Wire Capable
Application	Power, Signal, Wire-to-Board
Comments	Operating Temperature Per USCAR-2; Class 3
Component Type	PCB Header
Product Name	Super Sabre
UPC	887191565088

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	30.0A per blade

Voltage - Maximum	600V AC (RMS)

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 Capable	Yes
Lock to Mating Part	Yes
Material - Metal	Copper
Material - Plating Mating	Silver
Material - Plating Termination	Matte Tin, Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	3.975/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Retention	None
PC Tail Length	3.81mm
Pitch - Mating Interface	7.50mm
Plating min - Mating	0.025µm
Plating min - Termination	0.025µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	30
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Super Sabre Single Row Receptacle Housings	172672