molex

Part Number : 2202510069

Series Number : 220251

Product Category : Board-to-Board Connectors

Product Description : SlimStack Board-to-Board Plug, 0.35mm Pitch, 0.70mm Height, 6 Signal Pin + 2 Power Pin + 2 Fitting Nail, 18A Battery B-to-B

Status : Active

Documents & Resources

Drawings
Drawing 2202510069_sd.pdf

3D Models and Design Files
3D Model 2202510069_stp.zip

Specifications
Packaging Specification 2202510060-SPK-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	♻
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS

- REACH SVHC

- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	220251
Description	SlimStack Board-to-Board Plug, 0.35mm Pitch, 0.70mm Height, 6 Signal Pin + 2 Power Pin + 2 Fitting Nail, 18A Battery B-to-B
Series Name	Battery, GCB7V
Application	Board-to-Board
Comments	6 signal terminals; 2 power terminals
Component Type	PCB Header
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	195842880689

Electrical

Current - Maximum per Contact	0.3A, 18.0A
Voltage - Maximum	50V AC (RMS)/DC

Physical

Breakaway	No
Circuits Detail	6 signal terminals; 2 power terminals
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	10
Glow-Wire Capable	No
Lock to Mating Part	Yes
Mated Height	0.70mm

Mated Width	2.30mm
Material - Metal	Corson Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	8.220/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	0.35mm
Pitch - Termination Interface	0.35mm
Plating min - Mating	0.100µm
Plating min - Termination	0.050µm
Polarized to Mating Part	No
Polarized to PCB	No
(p)ower-(s)ignal Configuration	2p - 6s
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
SlimStack Board-to-Board Receptacle, 0.35mm Pitch, 0.70mm Height, 6 Signal Pin + 2 Power Pin + 2 Fitting Nail, 18A Battery B-to-B	2202500069