



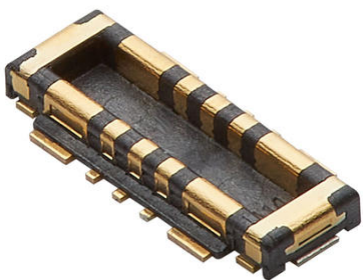
Part Number : [2166570109](#)

Product Description : ChargeStack Board-to-Board Plug, 0.40mm Pitch, 0.70mm Height, 6 Signal Pin + 4 Power Pin + 2 Fitting Nail, 15A Battery B-to-B, 8 Reels/ Carton

Series Number : 216657

Status : Active

Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

[2166570109 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[2166560100-AS-000.pdf](#)

[2166579100-SPK-001.pdf](#)

[2166579100-SPK-020.pdf](#)

[2166560109-PS-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 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)7771-DC (04 Feb 2026)

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	Board-to-Board Connectors
Series	Battery
Description	ChargeStack Board-to-Board Plug, 0.40mm Pitch, 0.70mm Height, 6 Signal Pin + 4 Power Pin + 2 Fitting Nail, 15A Battery B-to-B, 8 Reels/Carton
Application	Board-to-Board
Comments	6 signal terminals; 4 power terminals
Component Type	Plug
Product Name	ChargeStack
UPC	195842320529

Electrical

Current - Maximum per Contact	0.3A, 15.0A
Voltage - Maximum	50V AC (RMS)/DC

Physical

Breakaway	No
Circuits Detail	6 signal terminals; 4 power terminals
Circuits (Loaded)	10
Circuits (maximum)	10
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	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer (LCP)
Net Weight	7.413/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	0.40mm
Pitch - Termination Interface	0.40mm
Plating min - Mating	0.100µm
Plating min - Termination	0.050µm
Polarized to Mating Part	No
Polarized to PCB	No
(p)ower-(s)ignal Configuration	4p - 6s
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
ChargeStack Board-to-Board Receptacle, 0.40mm Pitch, 0.70mm Height, 6 Signal Pin + 4 Power Pin + 2 Fitting Nail, 15A Battery B-to-B, 8 Reels/Carton	<u>2166560109</u>