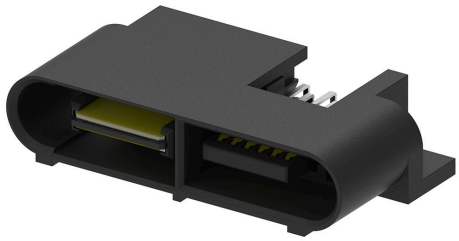
Part Number : 459852213
Product Description : EXTreme LPHPower Plug, Right-Angle, 2 Power Contacts, 12 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board, with Guide Pockets
Series Number : 45985
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources

Drawings
459852213_sd.pdf
PK-45984-001-001.pdf

3D Models and Design Files
459852213_stp.zip

Specifications
PS-45984-001-001.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(2024)4144-DC (27 June 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	45985
Description	EXTreme LPHPower Plug, Right-Angle, 2 Power Contacts, 12 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board, with Guide Pockets
Application	Board-to-Board, Power, Signal
Component Type	PCB Header
Product Family	EXTreme LPHPower Connectors
Product Name	EXTreme LPHPower
UPC	195842344433

Electrical

Current - Maximum per Contact	30.0A
Voltage - Maximum	250V AC (RMS)/DC (Power), 30V DC (Signal)

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
Durability (mating cycles max)	250
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	None

Lock to Mating Part	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.779/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	2.90mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.57mm
Pitch - Mating Interface	1.27mm, 12.00mm
Pitch - Termination Interface	1.27mm, 2.00mm, 2.50mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	2p - 12s
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
EXTreme LPHPower Right-Angle PCB Receptacles	45984