Part Number : 459841912
Product Description : EXTreme LPHPower Receptacle Header, Right-Angle, 10 Power Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board, with Guide Posts
Series Number : 45984
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

Drawing_459841912_sd.pdf
Packaging Design Drawing_PK-45984-001-001.pdf

3D Models and Design Files

3D Model_459841912_stp.zip
Symbol Footprint Data_SYM-45984-1912-001.zip

Specifications

Product Specification_PS-45984-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 47; 34; 33
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	45984
Description	EXTreme LPHPower Receptacle Header, Right-Angle, 10 Power Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board, with Guide Posts
Application	Board-to-Board, Power
Component Type	PCB Receptacle
Product Family	EXTreme LPHPower Connectors
Product Name	EXTreme LPHPower
UPC	800756651422

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	20.0A
Grounding to PCB	No
Voltage - Maximum	250V AC (RMS)/DC (Power)

Physical

Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black

Durability (mating cycles max)	250
Flammability	94V-0
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	13.325/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	4.50mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	3.18mm
Pitch - Mating Interface	12.00mm
Pitch - Termination Interface	2.00mm, 2.50mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
Polarized to Mating Part	Yes
Polarized to PCB	No
(p)ower-(s)ignal Configuration	10p - 0s
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	15
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	230

Mates With / Use With

Mates with Part(s)

Description	Part Number
EXTreme LPHPower Right-Angle Plugs	45985
Mates With	1.57mm Card Edge

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0190700155 0436802002 190730231 444280402 417920538 459705185 152660117 397730002
152670251 152670269 152670357 398800403 151670255 190990009