



Part Number : 2195620027

Series Number : 219562
Product Category : Board-to-Board
Connectors

Product Description : EXTreme Guardian HD
Right-Angle Plug Assembly with Guide Pins, 2
Power Circuits, 30 Signal Circuits, 2 Power
Circuits
Status : Active

Documents & Resources

Drawings
Drawing 2195620027_sd.pdf

3D Models and Design Files
3D Model 2195620027_stp.zip

Specifications
Product Specification 2141130000-PS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per
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

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	219562
Description	EXTreme Guardian HD Right-Angle Plug Assembly with Guide Pins, 2 Power Circuits, 30 Signal Circuits, 2 Power Circuits
Application	Board-to-Board, Power, Signal
Component Type	PCB Header
Product Family	EXTreme Guardian System
Product Name	EXTreme Guardian HD
UPC	196823042584

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	130.0A
Voltage - Maximum	125V

Physical

Breakaway	No
Circuits (Loaded)	34
Circuits (maximum)	34
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes

Keying to Mating Part	None
Lock to Mating Part	No
Mated Height	12.74mm
Material - Metal	High Conductivity Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	26.033/g
Number of Rows	1, 5
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	2.53mm, 3.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.58mm
Pitch - Mating Interface	5.78mm, 2.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	2p - 30s - 2p
Temperature Range - Operating	-40° to +125°C, -40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

Mates With / Use With

Mates with Part(s)

Description	Part Number
EXTreme Guardian HD Vertical Receptacle Assembly with Guide Receivers, 2 Power Circuits, 30 Signal Circuits, 2 Power Circuits	<u>2195630027</u>
EXTreme Guardian HD Right-Angle Receptacle Assembly with Guide Receivers, 2 Power Circuits, 30 Signal Circuits, 2 Power Circuits	<u>2195640027</u>
