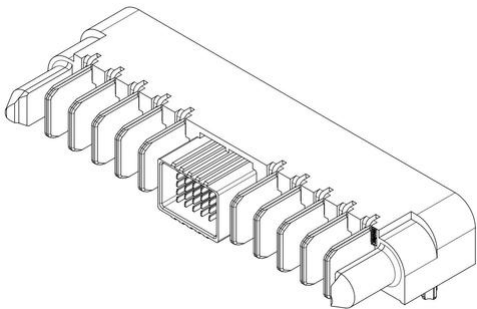




Part Number : [2195620028](#)
Product Description : EXTreme Guardian HD Right-Angle Plug Assembly with Guide Pins, 3 Power Circuits, 30 Signal Circuits, 3 Power Circuits
Series Number : 219562
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

[2195620028_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

Specifications

[2141130000-PS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
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	219562
Description	EXTreme Guardian HD Right-Angle Plug Assembly with Guide Pins, 3 Power Circuits, 30 Signal Circuits, 3 Power Circuits
Application	Board-to-Board, Power, Signal
Component Type	PCB Header, Plug
Product Name	EXTreme Guardian HD
UPC	196823042591

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	36

Circuits (maximum)	36
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	None
Mated Height	12.74mm
Material - Metal	High Conductivity Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	34.562/g
Number of Rows	1, 5
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.58mm
PC Tail Length	2.53mm, 3.30mm
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	3p - 30s - 3p
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, 3 Power Circuits, 30 Signal Circuits, 3 Power Circuits	<u>2195630028</u>
EXTreme Guardian HD Right-Angle Receptacle Assembly with Guide Receivers, 3 Power Circuits, 30 Signal Circuits, 3 Power Circuits	<u>2195640028</u>