



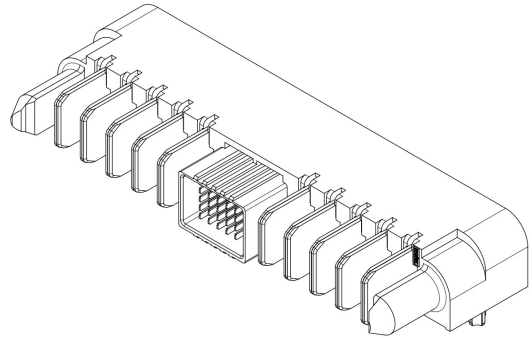
**Part Number :** [2195620021](#)

**Product Description :** EXTreme Guardian HD Right-Angle Plug Assembly with Guide Pins, 1 Power Circuit, 15 Signal Circuits, 1 Power Circuit

**Series Number :** 219562

**Status :** Active

**Product Category :** Board-to-Board Connectors



---

## Documents & Resources

### Drawings

[Drawing 2195620021\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model PDF 2195620021.pdf](#)

[3D Model 2195620021\\_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(2023)3788-DC (14 Jun 2023)
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	219562
Description	EXTreme Guardian HD Right-Angle Plug Assembly with Guide Pins, 1 Power Circuit, 15 Signal Circuits, 1 Power Circuit
Application	Board-to-Board, Power, Signal
Component Type	PCB Header
Product Family	EXTreme Guardian System
Product Name	EXTreme Guardian HD
UPC	196823042522

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

### Physical

Breakaway	No
Circuits (Loaded)	17
Circuits (maximum)	17
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	15.155/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	1p - 15s - 1p
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, 1 Power Circuit, 15 Signal Circuits, 1 Power Circuit	<u>2195630021</u>

EXTreme Guardian HD Right-Angle Receptacle Assembly with Guide Receivers, 1 Power Circuit, 15 Signal Circuits, 1 Power Circuit	<u>2195640021</u>
---	-------------------

---

---

This document was generated on Sep 06, 2023