



Part Number : 2195640012

Series Number : 219564

Product Category : Board-to-Board  
Connectors

Product Description : EXTreme Guardian HD  
Right-Angle Receptacle Assembly with Guide  
Receivers, 2 Power Circuits, 15 Signal Circuits

Status : Active

## Documents & Resources

### Drawings

Drawing 2195640012\_sd.pdf

### 3D Models and Design Files

3D Model 2195640012\_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<br>(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)

## Part Details

### General

|                |                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                         |
| Category       | Board-to-Board Connectors                                                                                      |
| Series         | 219564                                                                                                         |
| Description    | EXTreme Guardian HD Right-Angle Receptacle Assembly with Guide Receivers, 2 Power Circuits, 15 Signal Circuits |
| Application    | Board-to-Board, Power, Signal                                                                                  |
| Component Type | PCB Receptacle                                                                                                 |
| Product Family | EXTreme Guardian System                                                                                        |
| Product Name   | EXTreme Guardian HD                                                                                            |
| UPC            | 196823044557                                                                                                   |

### 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                     | 16.269/g                       |
| Number of Rows                 | 1, 5                           |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tray                           |
| PC Tail Length                 | 2.50mm, 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 - 15s                       |
| Temperature Range - Operating  | -40° to +125°C, -40° to +105°C |
| Termination Interface Style    | Through Hole - Compliant Pin   |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                                                         | Part Number       |
|-----------------------------------------------------------------------------------------------------|-------------------|
| EXTreme Guardian HD Right-Angle Plug Assembly with Guide Pins, 2 Power Circuits, 15 Signal Circuits | <u>2195620012</u> |