**Part Number :** 2141140001
**Product Description :** EXTreme Guardian Vertical Receptacle Assembly with Guide Receivers, 30 Signal Circuits, 8 Power Circuits
**Series Number :** 214114
**Status :** Active
**Product Category :** Board-to-Board Connectors



## Documents & Resources

### Drawings

2141140001_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 | Compliant with Exemption 44; 34; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| 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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 214114 |
| Description | EXTreme Guardian Vertical Receptacle Assembly with Guide Receivers, 30 Signal Circuits, 8 Power Circuits |
| Application | Board-to-Board, Power, Signal |
| Component Type | PCB Receptacle |
| Product Name | EXTreme Guardian HD |
| UPC | 193264618675 |

### Agency

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 80.0A |
| Voltage - Maximum | 125V |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 38 |

| | |
|---|---|
| Circuits (maximum) | 38 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Material - Metal | High Conductivity Copper |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 24.676/g |
| Number of Rows | 1, 5 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.58mm |
| PC Tail Length | 2.42mm, 2.83mm |
| Pitch - Mating Interface | 2.00mm, 5.78mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| (p)ower-(s)ignal Configuration | 8p - 30s |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole - Compliant Pin |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| EXTreme Guardian Right-Angle Plug Assembly with Guide Pins, 8 Power | 2141130010 |

| | |
|---|---|
| Circuits, 30 Signal Circuits | |