



Part Number : 2141130013

Series Number : 214113
Product Category : Board-to-Board Connectors

Product Description : EXTreme Guardian Right-Angle Plug Assembly with Guide Pins, 4 Power Circuits, 30 Signal Circuits, 4 Power Circuits
Status : Active

Documents & Resources


Drawings
Drawing 2141130013_sd.pdf

3D Models and Design Files
3D Model 2141130013_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 IEC 61249-2-21
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	214113
Description	EXTreme Guardian Right-Angle Plug Assembly with Guide Pins, 4 Power Circuits, 30 Signal Circuits, 4 Power Circuits
Application	Board-to-Board, Power, Signal
Component Type	PCB Header
Product Family	EXTreme Guardian System
Product Name	EXTreme Guardian HD
UPC	193264618606

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	38
Circuits (maximum)	38
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
Material - Metal	High Conductivity Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	42.970/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	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	4p - 30s - 4p
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 Vertical Receptacle Assembly with Guide Receivers, 4 Power Circuits, 30 Signal Circuits, 4 Power Circuits	<u>2141140004</u>
EXTreme Guardian Right-Angle Receptacle Assembly with Guide Receivers, 4 Power Circuits, 30 Signal Circuits, 4 Power Circuits	<u>2141150013</u>

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