

Part Number: 464379326

Product Description: EXTreme Ten60Power Right-Angle Plug with Side Guides, 1 DC Power Circuit, 30 Signal Circuits, 1 DC Power Circuit,

Press Fit Tail

Series Number: 46437

Status: Active

Product Category: Board-to-Board

Connectors



Documents & Resources

Drawings

<u>Drawing 464379326_sd.pdf</u> Packaging Design Drawing 464371001-PK-000.pdf

3D Models and Design Files 3D Model 464379326_stp.zip

Specifications

Product Specification PS-46436-100-001.pdf Test Summary 464361000-TS-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
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	46437
Description	EXTreme Ten60Power Right-Angle Plug with Side Guides, 1 DC Power Circuit, 30 Signal Circuits, 1 DC Power Circuit, Press Fit Tail
Application	Board-to-Board, Power, Signal
Comments	See Product Specification for details
Component Type	PCB Header
Keyword	Ten60
Product Family	EXTreme Ten60 High-Power Connectors
Product Name	EXTreme Ten60Power
UPC	195842667594

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	60.0A
Voltage - Maximum	600V AC / 250V DC

Physical

Breakaway	No
Circuits (Loaded)	32

Circuits (maximum) Color - Resin Black Durability (mating cycles max) First Mate / Last Break No Flammability Glow-Wire Capable Guide to Mating Part Keying to Mating Part Lock to Mating Part No Mated Height Material - Metal Material - Plating Mating Material - Resin Net Weight Norientation Packaging Type PC Tail Length PCB Retention PCB Thickness - Recommended Plating min - Mating Part Polarized to PCB (p)ower-(s)ignal Configuration Temperature Range - Operating Temmination Interface Style Trouy Lock to Mating Part No No No Side, Yes No No Side, Yes No Side, Yes No Side, Yes No No Side, Yes No Side, Yes No No No No Side, Yes No No No No Side, Yes No No No Tidy PCB Conductivity Copper No High Conductivity Copper And In No Tin Liquid Crystal Polymer Tin Liquid Crystal Polymer Tin Liquid Crystal Polymer Tin Fight Angle Tray P. Sidekable No Termination John Side Packaging Type Tray P. Stackable No Through Hole - Compliant Pin		
Durability (mating cycles max) First Mate / Last Break Flammability Glow-Wire Capable Guide to Mating Part Keying to Mating Part None Lock to Mating Part Material - Metal Material - Plating Mating Material - Resin Net Weight Norientation Packaging Type PC Tail Length PCB Retention Plating min - Mating Plating min - Termination Plating min - Termination Plating min - Termination Plating min - Conditions Plating min - Conditions Possible Tyes Polarized to PCB (p)ower-(s)ignal Configuration Ton No No Side, Yes No No High Conductivity Copper High Conductivity Copper No High Conductivity Copper No Tin Liquid Crystal Polymer 11.685/g 1, 5 Right Angle Tray 2.50mm, 3.28mm PC 2.50mm, 3.28mm PCB 2.50mm, 3.28mm PCB 1.58mm PCB Thickness - Recommended 1.58mm Pitch - Mating Interface 2.00mm, 5.50mm Plating min - Termination 2.540µm Polarized to PCB Yes (p)ower-(s)ignal Configuration No Temperature Range - Operating -40° to +105°C	Circuits (maximum)	32
First Mate / Last Break Flammability Glow-Wire Capable Guide to Mating Part Keying to Mating Part None Lock to Mating Part Material - Metal Material - Plating Termination Material - Resin Net Weight Norientation Packaging Type PC Tail Length PCB Retention PCB Thickness - Recommended Plating min - Mating Polarized to Mating Part Polarized to PCB (p)ower-(s)ignal Configuration Find Now Side, Yes None	Color - Resin	Black
Flammability Glow-Wire Capable No Guide to Mating Part Keying to Mating Part Lock to Mating Part None Mated Height Material - Metal Material - Plating Termination Net Weight Norientation Packaging Type PC Tail Length PCB Thickness - Recommended Plating min - Mating Plating min - Termination Plating min - Gender Plating min - Gender Polarized to PCB PCB Times Auting Polarized to PCB PCB Temperature Range - Operating Find None Side, Yes None None None None None None None None	Durability (mating cycles max)	200
Glow-Wire Capable Guide to Mating Part Side, Yes Keying to Mating Part No Mated Height Material - Metal Material - Plating Mating No Material - Resin Net Weight No Material - Resin Net Weight No Material - Resin Net Weight Number of Rows Norientation Packaging Type PC Tail Length PCB Locator PCB Retention PCB Thickness - Recommended Plating min - Mating Polarized to PCB Polarized to PCB (p)ower-(s)ignal Configuration Guide to Mating Part No	First Mate / Last Break	No
Guide to Mating Part Keying to Mating Part Lock to Mating Part No Mated Height Material - Metal Material - Plating Mating Material - Plating Termination Material - Resin Mumber of Rows Orientation PCT Tail Length PCB Locator PCB Retention PCB Thickness - Recommended Plating min - Mating Plating min - Termination Plating min - Termination Polarized to PCB (p)ower-(s)ignal Configuration Rood No No No No No No No No No	Flammability	94V-0
Keying to Mating Part Lock to Mating Part No Mated Height Material - Metal Material - Plating Mating Material - Plating Termination Material - Resin Material - Resin Liquid Crystal Polymer Net Weight Number of Rows Orientation Packaging Type PC Tail Length PCB Locator PCB Retention PCB Thickness - Recommended Plating min - Mating Plating min - Termination Polarized to PCB (p)ower-(s)ignal Configuration Tin Liquid Crystal Polymer Liquid Crystal Polymer Right Angle Paring Crystal Polymer 1.685/g Number of Rows 1, 5 Right Angle 2.50mm, 3.28mm PCB Locator Yes PCB Thickness - Recommended 1.58mm 2.00mm, 5.50mm Plating min - Mating 0.762µm Plating min - Termination 2.540µm Yes Polarized to PCB Yes (p)ower-(s)ignal Configuration No Temperature Range - Operating -40° to +105°C	Glow-Wire Capable	No
Lock to Mating Part Mated Height Material - Metal Material - Plating Mating Material - Plating Termination Material - Resin Material - Resin Liquid Crystal Polymer Net Weight Number of Rows Net Weight Packaging Type PC Tail Length PCB Locator PCB Retention PCB Retention Pitch - Mating Interface Plating min - Mating Polarized to PCB (p)ower-(s)ignal Configuration Tin Liquid Crystal Polymer Liquid Crystal Polymer Tin Liquid Crystal Polymer Ating Stackable Polarized to Mating Part Polarized to Height 11.685/g No Temperature Range - Operating August 12.00mm High Conductivity Copper High Conductivity Copper Tin 12.00mm Plating Mating August 12.00mm Polarized to Mating Part Polarized to PCB No Temperature Range - Operating August 12.00mm Temperature Ves Polarized to +105°C	Guide to Mating Part	Side, Yes
Material - Metal High Conductivity Copper Material - Plating Mating Gold Material - Plating Termination Tin Material - Resin Liquid Crystal Polymer Net Weight 11.685/g Number of Rows 1, 5 Orientation Right Angle Packaging Type Tray PC Tail Length 2.50mm, 3.28mm PCB Locator Yes PCB Retention Yes PCB Thickness - Recommended 1.58mm Pitch - Mating Interface 2.00mm, 5.50mm Plating min - Termination 2.540µm Polarized to Mating Part Yes (p)ower-(s)ignal Configuration 1p - 30s - 1p Stackable No Temperature Range - Operating -40° to +105°C	Keying to Mating Part	None
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Material - Resin Net Weight 11.685/g Number of Rows 1, 5 Orientation Packaging Type PC Tail Length PCB Locator PCB Retention PCB Thickness - Recommended Pitch - Mating Interface Plating min - Termination Polarized to Mating Part Polarized to PCB (p)ower-(s)ignal Configuration Number of Rows 1, 5 Right Angle Tray 2.50mm, 3.28mm Yes Yes 2.50mm, 3.28mm Yes 2.00mm, 5.50mm 2.00mm, 5.50mm 2.540µm Yes Polarized to Mating Part Yes Polarized to PCB Yes (p)ower-(s)ignal Configuration Temperature Range - Operating Liquid Crystal Polymer	Material - Plating Mating	Gold
Net Weight11.685/gNumber of Rows1, 5OrientationRight AnglePackaging TypeTrayPC Tail Length2.50mm, 3.28mmPCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.58mmPitch - Mating Interface2.00mm, 5.50mmPlating min - Mating0.762μmPlating min - Termination2.540μmPolarized to Mating PartYesPolarized to PCBYes(p)ower-(s)ignal Configuration1p - 30s - 1pStackableNoTemperature Range - Operating-40° to +105°C	Material - Plating Termination	Tin
Number of Rows Orientation Packaging Type Tray PC Tail Length PCB Locator PCB Retention PCB Thickness - Recommended Pitch - Mating Interface Plating min - Mating Plating min - Termination Polarized to Mating Part Polarized to PCB (p)ower-(s)ignal Configuration Temperature Range - Operating Pight Angle Right Angle Right Angle Right Angle Right Angle Tray Right Angle Test Test Test Right Angle Test Tes	Material - Resin	Liquid Crystal Polymer
Orientation Right Angle Packaging Type Tray PC Tail Length 2.50mm, 3.28mm PCB Locator Yes PCB Retention Yes PCB Thickness - Recommended 1.58mm Pitch - Mating Interface 2.00mm, 5.50mm 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 - 30s - 1p Stackable No Temperature Range - Operating -40° to +105°C	Net Weight	11.685/g
Packaging Type Tray PC Tail Length 2.50mm, 3.28mm PCB Locator Yes PCB Retention Yes PCB Thickness - Recommended 1.58mm Pitch - Mating Interface 2.00mm, 5.50mm Plating min - Mating Plating min - Termination 2.540µm Polarized to Mating Part Yes Polarized to PCB Yes (p)ower-(s)ignal Configuration Temperature Range - Operating Tray T	Number of Rows	1, 5
PC Tail Length 2.50mm, 3.28mm PCB Locator Yes PCB Retention Yes PCB Thickness - Recommended 1.58mm Pitch - Mating Interface Plating min - Mating Plating min - Termination Polarized to Mating Part Polarized to PCB Yes (p)ower-(s)ignal Configuration Temperature Range - Operating 2.50mm, 3.28mm Yes 2.00mm, 5.50mm 0.762µm 2.540µm Yes Polarized to Mating Part Yes No Temperature Range - Operating -40° to +105°C	Orientation	Right Angle
PCB Locator PCB Retention Yes PCB Thickness - Recommended Pitch - Mating Interface Plating min - Mating Plating min - Termination Polarized to Mating Part Polarized to PCB Yes (p)ower-(s)ignal Configuration Temperature Range - Operating Yes Yes -40° to +105°C	Packaging Type	Tray
PCB Retention PCB Thickness - Recommended Pitch - Mating Interface Plating min - Mating Plating min - Termination Polarized to Mating Part Polarized to PCB (p)ower-(s)ignal Configuration Temperature Range - Operating Yes 1.58mm 2.00mm, 5.50mm 2.540µm Yes Yes Yes Yes 1p - 30s - 1p No	PC Tail Length	2.50mm, 3.28mm
PCB Thickness - Recommended Pitch - Mating Interface Plating min - Mating Plating min - Termination Polarized to Mating Part Polarized to PCB (p)ower-(s)ignal Configuration Temperature Range - Operating 1.58mm 2.00mm, 5.50mm 0.762μm 2.540μm Yes Yes 1 yes 1 p - 30s - 1 p No Temperature Range - Operating -40° to +105°C	PCB Locator	Yes
Pitch - Mating Interface Plating min - Mating Plating min - Termination Polarized to Mating Part Polarized to PCB (p)ower-(s)ignal Configuration Temperature Range - Operating 2.00mm, 5.50mm 0.762µm Yes Yes 19-30s-1p No	PCB Retention	Yes
Plating min - Mating Plating min - Termination Polarized to Mating Part Polarized to PCB Yes (p)ower-(s)ignal Configuration Temperature Range - Operating 0.762µm 2.540µm Yes Yes 1p - 30s - 1p No	PCB Thickness - Recommended	1.58mm
Plating min - Termination Polarized to Mating Part Polarized to PCB Yes (p)ower-(s)ignal Configuration Stackable Temperature Range - Operating 2.540µm Yes 1p - 30s - 1p No -40° to +105°C	Pitch - Mating Interface	2.00mm, 5.50mm
Polarized to Mating Part Polarized to PCB Yes (p)ower-(s)ignal Configuration Stackable Temperature Range - Operating Yes 1p - 30s - 1p No -40° to +105°C	Plating min - Mating	0.762µm
Polarized to PCB (p)ower-(s)ignal Configuration 1p - 30s - 1p Stackable No Temperature Range - Operating -40° to +105°C	Plating min - Termination	2.540µm
(p)ower-(s)ignal Configuration1p - 30s - 1pStackableNoTemperature Range - Operating-40° to +105°C	Polarized to Mating Part	Yes
Stackable No Temperature Range - Operating -40° to +105°C	Polarized to PCB	Yes
Temperature Range - Operating -40° to +105°C	(p)ower-(s)ignal Configuration	1p - 30s - 1p
	Stackable	No
Termination Interface Style Through Hole - Compliant Pin	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 Ten60Power Right-Angle Receptacle with Side Guides, 1 DC Power Circuit, 30 Signal Circuits, 1 DC Power Circuit, Press Fit Tail	<u>464369326</u>
EXTreme Ten60Power Vertical Receptacle with Side Guides, 1 DC Power Circuit, 30 Signal Circuits, 1 DC Power Circuit, Press Fit Tail	<u>465629326</u>

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