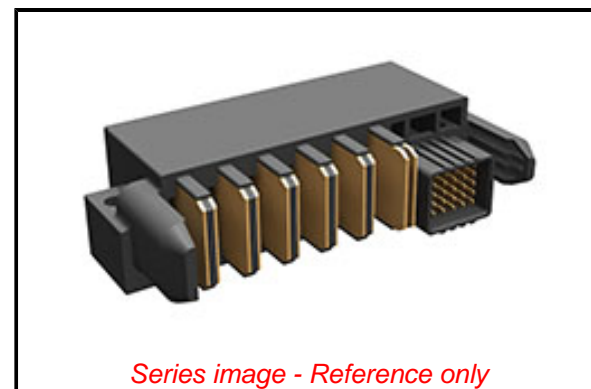


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Part Number: [1710970005](#)
Status: **Active**
Overview: EXTreme EnergetiC High-Current Connector System
Description: EXTreme EnergetiC Right-Angle Plug Assembly, 29 Circuits (25 Signal/4 Power) with Solder Tail and Pegs Mounting

Documents:

3D Model	Packaging Specification PK-171097-0002-001 (PDF)
3D Model (PDF)	Test Summary TS-171097-0001-001 (PDF)
Drawing (PDF)	Datasheet (PDF)
Product Specification PS-171097-1000-001 (PDF)	RoHS Certificate of Compliance (PDF)



Series image - Reference only

Agency Certification

UL E29179

General

Product Family	PCB Headers
Series	171097
Application	Board-to-Board, Power, Signal
Overview	EXTreme EnergetiC High-Current Connector System
Product Name	EXTreme EnergetiC
UPC	887191586564

Physical

(p)ower-(s)ignal Configuration	25s - 4p
Breakaway	No
Circuits (Loaded)	29
Circuits (maximum)	29
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	Yes
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	36.687/g
Number of Rows	5
Orientation	Right Angle
PC Tail Length	2.71mm, 2.74mm
PCB Thickness - Recommended	1.58mm
Packaging Type	Tray
Pitch - Mating Interface	2.00mm, 6.50mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	100.0A
Voltage - Maximum	40V

Solder Process Data

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[171097 Series](#)

Mates With

[EXTreme EnergetiC PCB Receptacle
171098](#)

Duration at Max. Process Temperature (seconds)	040
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-171097-0002-001
Product Specification	PS-171097-1000-001
Sales Drawing	SD-171097-0001-001
Test Summary	TS-171097-0001-001

This document was generated on 01/03/2022

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