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Part Number: [1710970001](#)
Status: **Active**
Overview: EXTreme EnergetiC™ High-Current Connector System
Description: EXTreme EnergetiC™ Right-Angle Plug Assembly, 31 Circuits (25 Signal/6 Power) with Solder Tail and Bolt Mounting

Documents:

[3D Model](#) [Product Specification PS-171097-1000 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

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 887191569499

Physical

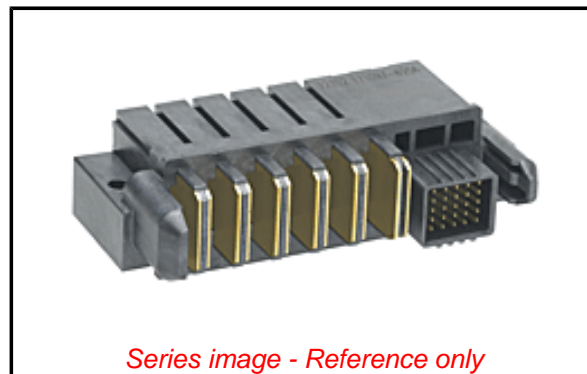
(p)ower-(s)ignal Configuration 25s - 6p
 Breakaway No
 Circuits (Loaded) 31
 Circuits (maximum) 31
 Color - Resin Black
 Durability (mating cycles max) 200
 First Mate / Last Break Yes
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part Yes
 Material - Metal High Performance Alloy (HPA)
 Material - Plating Mating Gold over Nickel
 Material - Plating Termination Tin over Nickel
 Material - Resin Liquid Crystal Polymer
 Net Weight 49.611/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°C to +105°C
 Termination Interface: Style Through Hole

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 040
 Lead-freeProcess Capability SMC&WAVE



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2015 June 15): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

[171097](#) Series

Mates With

EXTreme EnergetiC™ PCB Receptacle
[171098](#)

Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-171097-1000
Sales Drawing	SD-171097-0001

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