

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1721850010](#)  
**Status:** **Active**  
**Overview:** EXTreme EnergetiC High-Current Connector System  
**Description:** EXTreme EnergetiC Modular Right-Angle Plug Assembly, 4 Power Circuits with Solder Tail Mounting, without Guide

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Test Summary 1721850000-TS-000 (PDF)</a> |
| <a href="#">3D Model</a>   | <a href="#">Test Summary 1721850001-TS-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Datasheet (PDF)</a>                      |
| <a href="#">Product Specification PS-172185-0001-001 (PDF)</a>   | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Packaging Specification PK-172185-0003-001 (PDF)</a> |  |

**Agency Certification**

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

**General**

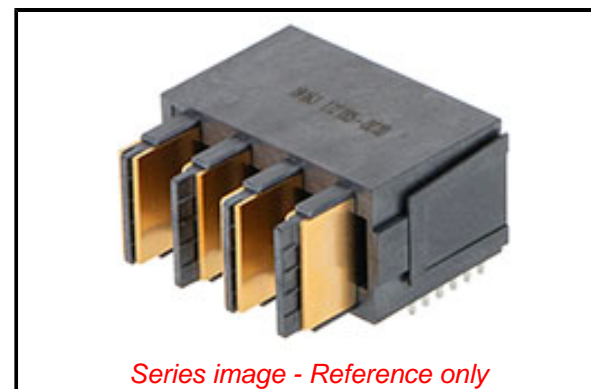
|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">172185</a>  |
| Application    | Board-to-Board, Power   |
| Overview       | <a href="#">EXTreme EnergetiC High-Current Connector System</a> |
| Product Name   | EXTreme EnergetiC   |
| UPC            | 889056260312  |

**Physical**

|                                |                              |
|--------------------------------|------------------------------|
| (p)ower-(s)ignal Configuration | 4p - 0s                      |
| Breakaway                      | No                           |
| Circuits (Loaded)              | 4                            |
| Circuits (maximum)             | 4                            |
| Color - Resin                  | Black                        |
| Durability (mating cycles max) | 200                          |
| First Mate / Last Break        | No                           |
| Flammability                   | 94V-0                        |
| Glow-Wire Capable              | No                           |
| Guide to Mating Part           | No                           |
| Material - Metal               | High Performance Alloy (HPA) |
| Material - Plating Mating      | Gold                         |
| Material - Plating Termination | Tin                          |
| Material - Resin               | Liquid Crystal Polymer       |
| Net Weight                     | 30.304/g                     |
| Number of Rows                 | 1                            |
| Orientation                    | Right Angle                  |
| PC Tail Length                 | 2.71mm                       |
| PCB Thickness - Recommended    | 1.58mm                       |
| Packaging Type                 | Tray                         |
| Pitch - Mating Interface       | 7.65mm                       |
| 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 |
|-------------------------------|--------|



*Series image - Reference only*

**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**

[172185 Series](#)

**Mates With**

[EXTreme EnergetiC PCB Receptacle 1721860010](#) , [2049000010](#) , [2049000016](#)

Voltage - Maximum 600V AC/DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 010  
Lead-free Process Capability SMC&WAVE  
Max. Cycles at Max. Process Temperature 003  
Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-172185-0003-001  
Product Specification PS-172185-0001-001  
Sales Drawing SD-172185-0009-001  
Test Summary 1721850000-TS-000, 1721850001-TS-000

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