

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

**Part Number:** [1724520002](#)  
**Status:** **Active**  
**Overview:** [EXTreme Ten60Power High-Current Connector](#)  
**Description:** [EXTreme Ten60Power Wire-to-Board Right-Angle Plug Assembly, 2 Power Circuits](#)

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-172452-0001 \(PDF\)](#) [Product Literature \(PDF\)](#)  
[Product Specification PS-173693-001-001 \(PDF\)](#)

**Agency Certification**

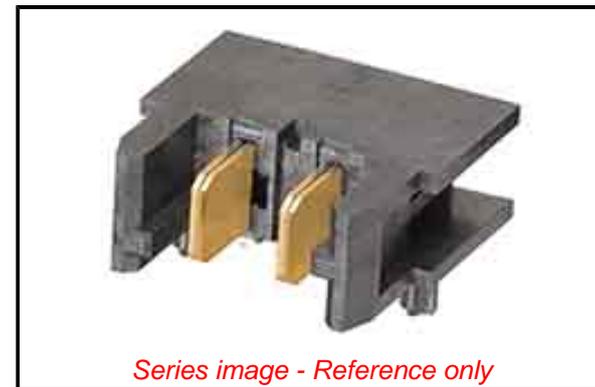
CSA LR19980

**General**

Product Family PCB Headers  
 Series [172452](#)  
 Application Power, Wire-to-Board  
 CURRENT-MAX-NUMERIC 50.0  
 Overview [EXTreme Ten60Power High-Current Connector](#)  
 PITCH-MATING-NUMERIC 7.50  
 Product Literature Order No 987650-1981  
 Product Name EXTreme Ten60Power  
 UPC 889056068512

**Physical**

(p)ower-(s)ignal Configuration 2p - 0s  
 Breakaway No  
 Circuits (Loaded) 2  
 Circuits (maximum) 2  
 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  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Liquid Crystal Polymer  
 Net Weight 7.894/g  
 Number of Rows 1  
 Orientation Right Angle  
 PC Tail Length 2.84mm  
 PCB Retention Yes  
 Packaging Type Tray  
 Pitch - Mating Interface 7.50mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded No  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40° to +105°C  
 Termination Interface: Style Through Hole



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/88/2018 (15  
 January 2019)

**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**

[172452 Series](#)

**Mates With**

[EXTreme Ten60Power Receptacle Housing  
 172509](#)

**Electrical**

Current - Maximum per Contact 50.0A  
Voltage - Maximum 600V AC

**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**

Product Specification PS-172452-0001, PS-173693-001-001  
Sales Drawing SD-172452-0001  
Symbol/Footprint Data SYM-172452-0002

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