# molex

Part Number: 1724520002

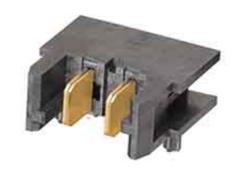
Product Description: EXTreme Ten60Power Wire-to-Board Right-Angle Plug Assembly, 2 Power Circuits

Series Number: 172452

Status: Active

**Product Category: PCB Headers and** 

Receptacles



#### **Documents & Resources**

### **Drawings**

1724520002\_sd.pdf PK-46437-003-001.pdf

#### 3D Models and Design Files

1724520002\_stp.zip SYM-172452-0002-001.zip

#### **Specifications**

PS-173693-001-001.pdf

## **Product Environment Compliance**

#### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	<b>@</b>
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	PCB Headers and Receptacles
Series	172452
Description	EXTreme Ten60Power Wire-to- Board Right-Angle Plug Assembly, 2 Power Circuits
Application	Power, Wire-to-Board
Component Type	PCB Header
Keyword	Ten60
Product Name	EXTreme Ten60Power
UPC	889056068512

# Agency

CSA	LR19980
UL	E29179

#### **Electrical**

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

# Physical

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
Packaging Type	Tray
PC Tail Length	2.84mm
PCB Retention	Yes
Pitch - Mating Interface	7.50mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	2p - 0s
Shrouded	No
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

## **Solder Process Data**

Max-Duration	10
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

# Mates With / Use With

Mates with Part(s)

Description	Part Number
EXTreme Ten60Power Wire-to- Board Receptacle Housings	172509

This document was generated on Oct 25, 2024