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Part Number:

46081-2010

Status:

Active

Overview:

EXTreme PowerMass™ High-Current Connector

Description:

EXTreme PowerMass™ 6.38mm Pitch, Multi Path Assembly Plug, 160 Amps (4 Blades at 40 Amps per Blade), Press Fit, Tail Length 3.81mm, Lead-Free

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

46081

Application

Board-to-Board, Power

Comments

Multi Path (Dual 80A) Signal

Overview

EXTreme PowerMass™ High-Current Connector

Product Name

EXTreme PowerMass™

UPC

800756709765

Physical

(p)ower-(s)ignal Configuration

4p - 0s

Breakaway

No

Circuits (Loaded)

4

Circuits (maximum)

4

Color - Resin

Black

Durability (mating cycles max)

50

First Mate / Last Break

No

Flammability

94V-0

Glow-Wire Compliant

No

Guide to Mating Part

No

Keying to Mating Part

None

Lock to Mating Part

No

Material - Metal

Copper-Nickel-Silicon

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Net Weight

21.023/g

Number of Rows

2

Orientation

Right Angle

PC Tail Length

3.81mm

PCB Locator

No

PCB Retention

None

PCB Thickness - Recommended

2.40mm

Packaging Type

Tray

Pitch - Mating Interface

6.38mm

Pitch - Termination Interface

3.00mm, 3.38mm

Plating min - Mating

0.762µm

Plating min - Termination

2.540µm

Polarized to Mating Part

No

Polarized to PCB

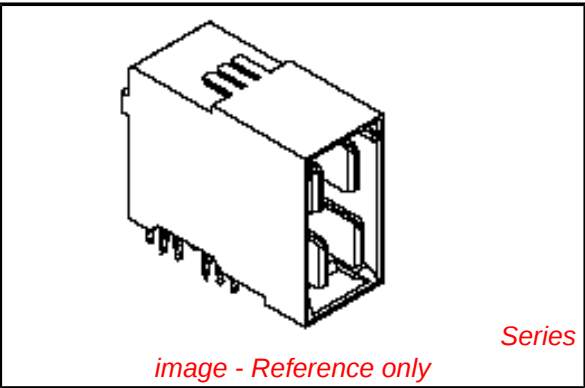
No

Shrouded

Closed Ends

Stackable

No



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

46081Series

Mates With

EXTreme PowerMass™ 6.38mm Pitch, Multi Path Assembly Plug, 160 Amps (4 Blades at 40 Amps per Blade), Lead-Free

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	160A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-46081-200
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