



Part Number : 460812010

Series Number : 46081

Product Category : Board-to-Board
Connectors

Product Description : EXTreme PowerMass
6.38mm Pitch, Multi Path Assembly Plug, 160
Amps (4 Blades at 40 Amps per Blade), PC
Tail, Tail Length 3.81mm, Lead-Free

Status : Active

Documents & Resources

Drawings

- Drawing 460812010_sd.pdf
- Packaging Design Drawing PK-46081-100-001.pdf

3D Models and Design Files

- 3D Model 460812010_stp.zip

Specifications

- Product Specification PS-75431-999-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
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	Board-to-Board Connectors
Series	46081
Description	EXTreme PowerMass 6.38mm Pitch, Multi Path Assembly Plug, 160 Amps (4 Blades at 40 Amps per Blade), PC Tail, Tail Length 3.81mm, Lead-Free
Application	Board-to-Board, Power
Comments	Multi Path (Dual 80A) Signal
Component Type	PCB Header
Product Family	EXTreme PowerMass High-Current Connectors
Product Name	EXTreme PowerMass
UPC	800756709765

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	160.0A
Voltage - Maximum	600V

Physical

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 Capable	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
Packaging Type	Tray
PC Tail Length	3.81mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	2.40mm
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
(p)ower-(s)ignal Configuration	4p - 0s
Shrouded	Closed Ends
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	40
Lead-Free Process Capability	WAVE
Max-Cycle	3
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
EXTreme PowerMass Vertical PCB Receptacles	<u>46079</u>