



Part Number : 460811000

Product Description : EXTreme PowerMass
6.38mm Pitch, Multi Path Assembly Plug, 160
Amps (4 Blades at 40 Amps per Blade), Press
Fit, 0.75µm Select Gold (Au), 2.5µm Tin (Sn),
Lead-Free

Series Number : 46081

Status : Active

Product Category : Board-to-Board
Connectors

Documents & Resources

Drawings

- Drawing 460811000_sd.pdf
- Packaging Design Drawing PK-46081-100-001.pdf

3D Models and Design Files

- 3D Model 460811000_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), Press Fit, 0.75µm Select Gold (Au), 2.5µm Tin (Sn), 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	822350852029

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	Yes
Lock to Mating Part	No
Material - Metal	Steel
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	3.99mm
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 - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A
------------------------------	-----

Mates With / Use With

Mates with Part(s)

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