



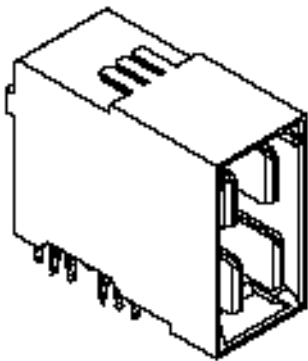
Part Number : [460811000](#)

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

[460811000_sd.pdf](#)

[PK-46081-100-001.pdf](#)

3D Models and Design Files


[460811000_stp.zip](#)

Specifications

[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 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> |