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**Part Number:** [0878082003](#)

**Status:** **Active**

**Overview:**

**Description:** 5.08mm (.200") Pitch Power, 2.54mm (.100") Pitch Signal, EXTreme PowerPlus™ S-P(B) Receptacle, Through Hole, Right Angle, Screw Mount, 0.76µm (30µ") Gold(Au) Plating, 22 Circuits, Power Beta 6, Signal 16, NoRecessed Power Circuit, Lead-free

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-87805-006 \(PDF\)](#)

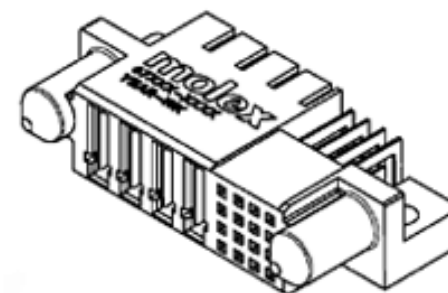
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	PCB Receptacles
Series	87808
Application	Board-to-Board
Comments	Recessed Power Circuit Position: NIL
Overview	EXTreme PowerPlus™
Product Name	EXTreme PowerPlus™

**Physical**

Circuits (Loaded)	30
Circuits (maximum)	30
Circuits Detail	Power Beta 6, Signal 24
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.135 In
PC Tail Length (mm)	3.43 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (in)	0.200 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Mating Interface (mm)	5.08 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (in)	0.200 In
Pitch - Term. Interface (mm)	2.54 mm
Pitch - Term. Interface (mm)	5.08 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	101.6
Plating min: Termination (µm)	2.54
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No



Series image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No**

**Halogen-Free**

**Status**

**Not Reviewed**

**China RoHS**



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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

Duration at Max.	10
Process Temperature (seconds)	
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max.	3
Process Temperature	
Process Temperature max. C	260

**Search Parts in this Series**

87808 Series

**Mates With**

[878072003](#) , [878072004](#) , [878072005](#) , [878072006](#) , [878072007](#)

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum	30A
UL	E29179
Voltage - Maximum	250V AC (RMS)

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-87805-006
Sales Drawing	SD-87808-005

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