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Part Number: [0878083001](#)

Status: **Active**

Overview:

Description: 5.08mm (.200") Pitch Power, 2.54mm (.100") Pitch Signal, EXTreme PowerPlus™ S-P(B) Receptacle, Through Hole, Right Angle, Beveled Metal Pins, 0.76µm (30µ") Gold(Au) Plating, 22 Circuits, Power Beta 6, Signal 16, No Recessed Power Circuit, Lead-free

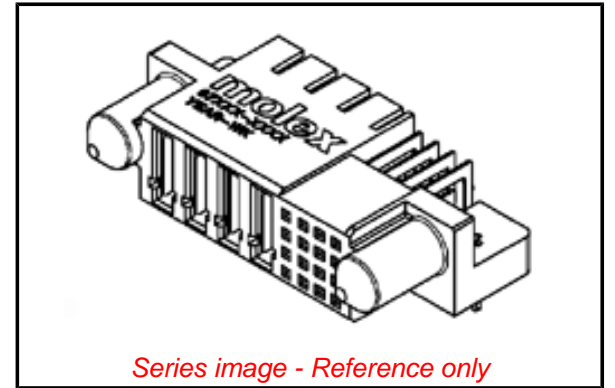
Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

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



Series image - Reference only

General

Product Family	PCB Receptacles
Series	87808
Application	Board-to-Board
Comments	Recessed Power Circuit Position: NIL
Overview	EXTreme PowerPlus™#153;
Product Name	EXTreme PowerPlus™

Physical

Circuits (Loaded)	22
Circuits (maximum)	22
Circuits Detail	Power Beta 6, Signal 16
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 - Metal	Phosphor Bronze
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

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



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environmental compliance?**

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non-product compliance questions.

Search Parts in this Series

[87808 Series](#)

Mates With

[878072002](#)

Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Through Hole

Electrical

CSA	LR19980
Current - Maximum	30A
UL	E29179
Voltage - Maximum	250V AC (RMS)

Solder Process Data

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

Material Info**Reference - Drawing Numbers**

Product Specification	PS-87805-006
Sales Drawing	SD-87808-001

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