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Part Number: [44812-0042](#)
Status: **Active**
Overview: [KK® Interconnection System](#)
Description: 2.54mm Pitch KK® PC Board Receptacle, Top and Bottom Entry, Low Profile, 0.80µm Gold (Au), 4 Circuits

Documents:

[3D Model](#) [Product Specification PS-44812-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [44812](#)
 Application Board-to-Board, Power
 Overview [KK® Interconnection System](#)
 Product Name KK®
 UPC 756054462645

Physical

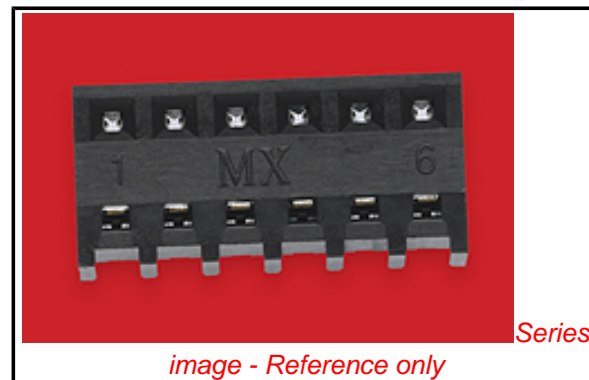
Circuits (Loaded) 4
 Circuits (maximum) 4
 Color - Resin Black
 Durability (mating cycles max) 25
 Flammability 94V-0
 Glow-Wire Compliant No
 Material - Metal High Performance Alloy (HPA)
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 0.508g
 Number of Rows 1
 Orientation Vertical
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 1.60mm
 Packaging Type Tray
 Pitch - Mating Interface 2.54mm
 Plating min - Mating 0.762µm
 Plating min - Termination 2.540µm
 Polarized to PCB No
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating See Product Specification
 Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 5A
 Voltage - Maximum 250V

Solder Process Data

Duration at Max. Process Temperature (seconds) 5
 Lead-free Process Capability Wave Capable (TH only)
 Max. Cycles at Max. Process Temperature 1
 Process Temperature max. C 250



EU RoHS

**ELV and RoHS
 Compliant**

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Low-Halogen

China RoHS



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 environmental compliance?**

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Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[44812Series](#)

Mates With

[42153](#) , [4094](#) , [42376](#) , [42375](#) , [42377](#) ,
[42152](#) , [4030](#)

Material Info

Reference - Drawing Numbers

Product Specification

PS-44812-001

Sales Drawing

SD-44812-001

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