

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [44812-0020](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: KK® 254 PC Board Receptacle, Top and Bottom Entry, Low Profile, 0.38µm Gold (Au), 2 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® Interconnect System - Molex](#)
Product Name KK® 254
UPC 756054462591

Physical

Circuits (Loaded) 2
Circuits (maximum) 2
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 0.254/g
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 0.381µm
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

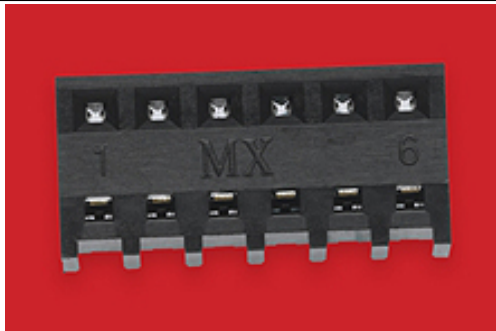


image - Reference only Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not Low-Halogen



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

This document was generated on 10/10/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION