

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022182121](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: [KK® 254 PC Board Connector, Top Entry, with Cat Ear Terminal, 0.38µm Gold \(Au\), 12 Circuits, with Hooks](#)

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [4455](#)
 Application Board-to-Board, Signal
 Comments With Hooks
 Overview [KK® Interconnect System - Molex](#)
 Product Name KK® 254
 UPC 800754204972

Physical

Circuits (Loaded) 12
 Circuits (maximum) 12
 Color - Resin Natural (White)
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part No
 Keying to Mating Part None
 Lock to Mating Part No
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin Nylon
 Net Weight 1.256/g
 Number of Rows 1
 Orientation Vertical
 PC Tail Length 3.35mm
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 1.60mm
 Packaging Type Tray
 Pitch - Mating Interface 2.54mm
 Pitch - Termination Interface 2.54mm
 Plating min - Mating 0.381µm
 Plating min - Termination 2.540µm
 Polarized to PCB No
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating See Product Specification
 Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 2.5A
 Grounding to PCB No
 Voltage - Maximum 250V

Solder Process Data



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/01/2017 (12
 January 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

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

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[4455 Series](#)

Mates With

[KK® Header 4094](#) , [42376](#) , [42375](#) , [42377](#)
 , [171856](#) , [171857](#)
SL™ Insulation
 Displacement Connector [70475](#)

Duration at Max. Process Temperature (seconds)	005
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235

Material Info

Engineering Number	A-4455-CZ12A(208)
--------------------	-------------------

Reference - Drawing Numbers

Sales Drawing	SDA-4455, SDA-4455-002
---------------	------------------------

This document was generated on 02/15/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION