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Part Number: [0022142054](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: [KK® 254 PC Board Connector, Bottom Entry, 2.54µm Tin \(Sn\), 5 Circuits](#)

Documents:

[3D Model](#) [Product Specification PS-10-07-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [4455](#)
 Application Board-to-Board, Signal
 Overview [KK® Interconnect System - Molex](#)
 Product Name [KK® 254](#)
 UPC 800753590458

Physical

Circuits (Loaded) 5
 Circuits (maximum) 5
 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 - Metal Brass
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Material - Resin Nylon
 Net Weight 0.605/g
 Number of Rows 1
 Orientation Bottom Entry
 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 2.540µm
 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 500V

Solder Process Data

Duration at Max. Process Temperature (seconds) 005



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 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](#) ,
[4030](#) , [171856](#) , [171857](#)

Lead-free Process Capability
Max. Cycles at Max. Process Temperature
Process Temperature max. C

WAVE
001
235

Material Info

Engineering Number

A-4455-BH05D(P909)

Reference - Drawing Numbers

Product Specification

PS-10-07-001

Sales Drawing

SDA-4455, SDA-4455-002

This document was generated on 08/28/2017

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