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**Part Number:** **0022162181**  
**Status:** **Active**  
**Overview:** KK® Interconnect System - Molex  
**Description:** KK® 254 PC Board Connector, Right Angle, End-to-End Stackable, 0.50µm Gold (Au), 18 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 800753737723

**Physical**

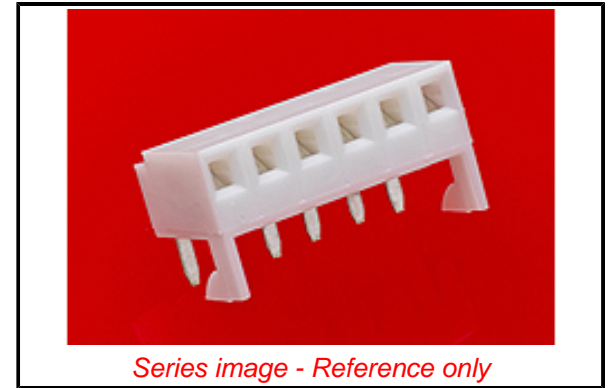
Circuits (Loaded) 18  
 Circuits (maximum) 18  
 Color - Resin Natural (White)  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part No  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Gold  
 Material - Resin Nylon  
 Net Weight 1.905/g  
 Number of Rows 1  
 Orientation Right Angle  
 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 0.508µm  
 Plating min - Termination 0.051µm  
 Polarized to PCB Yes  
 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](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

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-AZ18A(565)

**Reference - Drawing Numbers**

Product Specification

PS-10-07-001

Sales Drawing

SDA-4455, SDA-4455-002

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