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**Part Number:** [0022172242](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** [KK® 254 PC Board Connector, Bottom Entry, 0.50µm Gold \(Au\), 24 Circuits](#)

**Documents:**

[3D Model](#) [Product Specification PS-10-07 \(PDF\)](#)  
[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 800753736665

**Physical**

Circuits (Loaded) 24  
 Circuits (maximum) 24  
 Color - Resin Natural (White), Red (Rust)  
 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 Gold  
 Material - Resin Nylon  
 Net Weight 2.851/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 0.508µm  
 Plating min - Termination 0.051µm  
 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**

Duration at Max. Process Temperature (seconds) 005  
 Lead-freeProcess Capability WAVE



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per  
 -ED/79/2015 (17  
 December 2015)

**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

Green Image

ELV

Not Relevant

**Search Parts in this Series**

[4455 Series](#)

**Mates With**

[42153](#) KK® Wire-to-Board Header, [4094](#)  
 KK® Wire-to-Board Header, [42376](#) KK®  
 Header, [42375](#) KK® Header, [42377](#) , [42152](#)  
 KK® Wire-to-Board Header, [4030](#) KK®  
 Wire-to-Board Header, [4380](#) KK® Header

Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235

**Material Info**

Old Part Number	A-4455-BH24D(565)
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**Reference - Drawing Numbers**

Product Specification	PS-10-07
Sales Drawing	SDA-4455

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