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**Part Number:** [22-17-3102](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** [KK® 254 PC Board Connector, Bottom Entry, 0.38µm Gold \(Au\) Selective, 10 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 800754204774

**Physical**

Circuits (Loaded) 10  
 Circuits (maximum) 10  
 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 1.196/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 0.381µm  
 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**

Duration at Max. Process Temperature (seconds) 5



*image - Reference only*

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[4455Series](#)

**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](#)

Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

**Material Info**

Old Part Number	A-4455-BH10D(208)
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**Reference - Drawing Numbers**

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

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