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**Part Number:** [0022173102](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 PC Board Connector, Bottom Entry, 0.38µm Gold (Au) Selective, 10 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-10-07-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-44646-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">4455</a>
Application	Board-to-Board, Signal
Overview	<a href="#">KK® Interconnect System - Molex</a>
Product Name	KK 254
UPC	800754204774

**Physical**

Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural (White)
Flammability	94V-0
Glow-Wire Capable	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	500V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	005
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*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

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-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235

**Material Info**

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

Packaging Specification	PK-44646-001-001
Product Specification	PS-10-07-001
Sales Drawing	SDA-4455-001, SDA-4455-002

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