

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0022027053](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Systems](#)  
**Description:** [KK 254 PC Board Connector, Top Entry, with Cat Ear Terminal, 2.54µm Tin \(Sn\), 5 Circuits, without Hooks](#)

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-44646-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-44646-003-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-10-07-001 (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 Systems</a>
Product Name	KK 254
Taxonomy	PCB Headers and Receptacles
UPC	800754915243

**Physical**

Circuits (Loaded)	5
Circuits (maximum)	5
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 - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	0.531/g
Number of Rows	1
Orientation	Vertical
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
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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](#)  
, [171856](#) , [171857](#) <br>SL Insulation  
Displacement Connector [70475](#)

Grounding to PCB No  
Voltage - Maximum 500V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005  
Lead-free Process Capability WAVE  
Max. Cycles at Max. Process Temperature 001  
Process Temperature max. C 235

**Material Info**

Engineering Number A-4455-CY05A(P909)

**Reference - Drawing Numbers**

Packaging Specification PK-44646-001-001, PK-44646-003-001  
Product Specification PS-10-07-001  
Sales Drawing SDA-4455-001

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