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Part Number: [0022027123](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: KK 254 PC Board Connector, Top Entry, with Cat Ear Terminal, 2.54µm Tin (Sn), 12 Circuits, without Hooks

Documents:

| | |
|--|--|
| 3D Model | Packaging Specification PK-44646-001-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-44646-003-001 (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-10-07-001 (PDF) | |

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

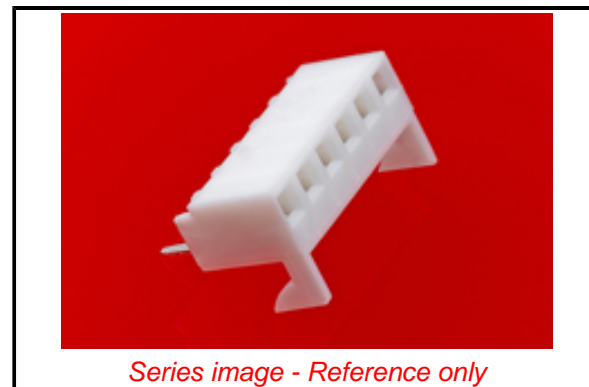
| | |
|----------------|---|
| Product Family | PCB Receptacles |
| Series | 4455 |
| Application | Board-to-Board, Signal |
| Overview | KK® Interconnect System - Molex |
| Product Name | KK 254 |
| UPC | 800754249133 |

Physical

| | |
|--------------------------------|---------------------------|
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| 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 | 1.256/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 |
| Grounding to PCB | No |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

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](#)
SL Insulation
Displacement Connector [70475](#)

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-CY12A(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, SDA-4455-002

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