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Part Number:

0022027023

Status:

Active

Overview:

KK® Interconnect System - Molex

Description:

KK® 254 PC Board Connector, Top Entry, with Cat Ear Terminal, 2.54µm Tin (Sn), 2 Circuits, without Hooks

Documents:

3D Model

Drawing (PDF)

Product Specification PS-10-07-001 (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                            | 800754915076                    |
| Physical                       |                                 |
| Circuits (Loaded)              | 2                               |
| Circuits (maximum)             | 2                               |
| 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 - Metal               | Brass                           |
| Material - Plating Mating      | Tin                             |
| Material - Plating Termination | Tin                             |
| Material - Resin               | Nylon                           |
| Net Weight                     | 0.221/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                              |
| Voltage - Maximum              | 500V                            |
| Solder Process Data            |                                 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -

ED/30/2017 (7 July

2017)

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

RoHS Phthalates

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

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 005                    |
| Lead-freeProcess Capability                    | WAVE                   |
| Max. Cycles at Max. Process Temperature        | 001                    |
| Process Temperature max. C                     | 235                    |
| <b>Material Info</b>                           |                        |
| Engineering Number                             | A-4455-CY02A(P909)     |
| <b>Reference - Drawing Numbers</b>             |                        |
| Product Specification                          | PS-10-07-001           |
| Sales Drawing                                  | SDA-4455, SDA-4455-002 |

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