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Part Number:

0022284143

Status:

Active

Overview:

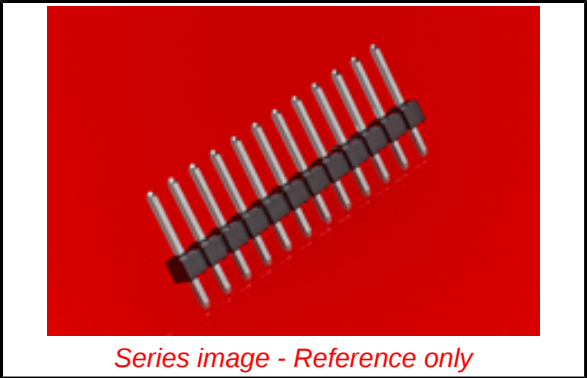
KK® Interconnect System - Molex

Description:

KK® 254 Breakaway Header, Vertical, 14 Circuits, 0.38µm Gold (Au) Selective Plating, Mating Pin Length 6.09mm

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

|                                |                                       |
|--------------------------------|---------------------------------------|
| Agency Certification           |                                       |
| CSA                            | LR19980                               |
| UL                             | E29179                                |
| General                        |                                       |
| Product Family                 | PCB Headers                           |
| Series                         | 42375                                 |
| Application                    | Board-to-Board, Signal, Wire-to-Board |
| Overview                       | KK® Interconnect System - Molex       |
| Product Name                   | KK® 254                               |
| UPC                            | 800754387170                          |
| Physical                       |                                       |
| Breakaway                      | Yes                                   |
| Circuits (Loaded)              | 14                                    |
| Circuits (maximum)             | 14                                    |
| Color - Resin                  | Black                                 |
| Durability (mating cycles max) | 100                                   |
| First Mate / Last Break        | No                                    |
| Flammability                   | 94V-0                                 |
| Glow-Wire Compliant            | No                                    |
| Guide to Mating Part           | No                                    |
| Keying to Mating Part          | None                                  |
| Lock to Mating Part            | None                                  |
| Material - Metal               | Brass                                 |
| Material - Plating Mating      | Gold                                  |
| Material - Plating Termination | Tin                                   |
| Material - Resin               | High Temperature Thermoplastic        |
| Net Weight                     | 0.930/g                               |
| Number of Rows                 | 1                                     |
| Orientation                    | Vertical                              |
| PC Tail Length                 | 3.18mm                                |
| PCB Locator                    | No                                    |
| PCB Retention                  | None                                  |
| PCB Thickness - Recommended    | 1.60mm                                |
| Packaging Type                 | Bag                                   |
| Pitch - Mating Interface       | 2.54mm                                |
| Plating min - Mating           | 0.381µm                               |
| Plating min - Termination      | 2.540µm                               |
| Polarized to Mating Part       | No                                    |
| Polarized to PCB               | No                                    |
| Shrouded                       | No                                    |
| Stackable                      | No                                    |
| Surface Mount Compatible (SMC) | Yes                                   |
| Temperature Range - Operating  | See Product Specification             |
| Termination Interface: Style   | Through Hole                          |



EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per

-ED/01/2017 (12

January 2017)

Halogen-Free

Status

Not 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

42375 Series

Mates With

KK® Crimp Housing [2695](#) , [6471](#) , [7880](#) ,

KK® PC Board Connector [4455](#)

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 4.0A |
| Voltage - Maximum             | 500V |

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 260  |

**Material Info**

|                    |            |
|--------------------|------------|
| Engineering Number | 42375-0049 |
|--------------------|------------|

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-10-07-001 |
| Sales Drawing         | SD-42375-001 |

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