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Part Number:

0022284203

Status:

Active

Overview:

KK Interconnect Systems

Description:

KK 254 Breakaway Header, Vertical, 20 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="#">Packaging Specification PK-40873-0041-001 (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 Headers                           |
| Series         | 42375                                 |
| Application    | Board-to-Board, Signal, Wire-to-Board |
| Component Type | PCB Header                            |
| Overview       | KK Interconnect Systems               |
| Product Name   | KK 254                                |
| Taxonomy       | PCB Headers and Receptacles           |
| UPC            | 800753834491                          |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | Yes                            |
| Circuits (Loaded)              | 20                             |
| Circuits (maximum)             | 20                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 100                            |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | 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                     | 1.524/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                            |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

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

Halogen-Free

Status

Not Low-Halogen

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

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

42375 Series

Mates With

KK 254 Crimp Housing [2695](#) , [7880](#) . KK 254  
Top-Entry PCB Receptacle [4455](#) . C-Grid  
Shunt Terminal Housing [7859](#)

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| Temperature Range - Operating                  | See Product Specification          |
| Termination Interface: Style                   | Through Hole                       |
| <b>Electrical</b>                              |                                    |
| Current - Maximum per Contact                  | 4.0A                               |
| Voltage - Maximum                              | 500V                               |
| <b>Solder Process Data</b>                     |                                    |
| Duration at Max. Process Temperature (seconds) | 005                                |
| Lead-freeProcess Capability                    | WAVE                               |
| Max. Cycles at Max. Process Temperature        | 001                                |
| Process Temperature max. C                     | 260                                |
| <b>Material Info</b>                           |                                    |
| Engineering Number                             | 42375-0055                         |
| <b>Reference - Drawing Numbers</b>             |                                    |
| Packaging Specification                        | PK-40873-0041-001                  |
| Product Specification                          | PS-10-07-001                       |
| Sales Drawing                                  | SD-42375-001-001, SD-42375-001-002 |

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