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Part Number:

0022284100

Status:

Active

Overview:

Description:

KK 254 Breakaway Header, Vertical, 10 Circuits, Tin (Sn) Plating, Mating Pin Length 6.09mm

Agency Certification

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

General

|                |                                       |
|----------------|---------------------------------------|
| Product Family | PCB Headers                           |
| Series         | 42375                                 |
| Application    | Board-to-Board, Signal, Wire-to-Board |
| Overview       | kk_interconnect_solutions             |
| Product Name   | KK 254                                |
| Taxonomy       | PCB Headers and Receptacles           |
| UPC            | 800754239790                          |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | Yes                            |
| Circuits (Loaded)              | 10                             |
| Circuits (maximum)             | 10                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 25                             |
| 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      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.648/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           | 2.540µm                        |
| 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                   |

Electrical

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

EU ELV

Not Relevant

EU RoHS

Compliant

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

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

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](#)

**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                     | 235  |

**Material Info**

|                    |            |
|--------------------|------------|
| Engineering Number | 42375-0010 |
|--------------------|------------|

**Reference - Drawing Numbers**

|                         |                                    |
|-------------------------|------------------------------------|
| 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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