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Part Number:

0022288033

Status:

Active

Overview:

[KK Interconnect Systems](#)

Description:

KK 254 Breakaway Header, Right-Angle Surface Mount Compatible, 3 Circuits, 0.38µm Gold (Au) Selective Plating, Mating Pin Length 8.23mm

Documents:

|                                                          |                                                                 |
|----------------------------------------------------------|-----------------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Packaging Specification PK-40873-0041-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                           | <a href="#">Symbol Footprint Data SYM-22-28-8031-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Product Specification PS-10-07-001 (PDF)</a> |                                                                 |

Agency Certification

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

Application tooling part link

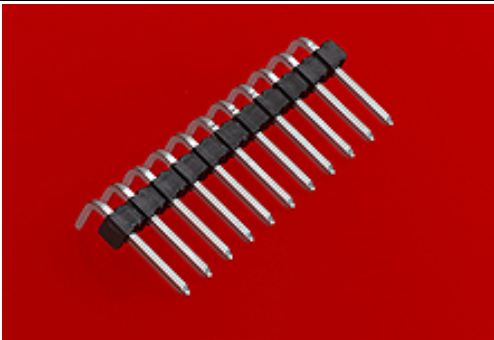
|                               |            |
|-------------------------------|------------|
| Application Tooling Part Link | 11-20-1230 |
|-------------------------------|------------|

General

|                |                                         |
|----------------|-----------------------------------------|
| Product Family | PCB Headers                             |
| Series         | 42377                                   |
| Application    | Board-to-Board, Signal, Wire-to-Board   |
| Component Type | PCB Header                              |
| Overview       | <a href="#">KK Interconnect Systems</a> |
| Product Name   | KK 254                                  |
| Taxonomy       | PCB Headers and Receptacles             |
| UPC            | 800753810099                            |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | Yes                            |
| Circuits (Loaded)              | 3                              |
| Circuits (maximum)             | 3                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 100                            |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Lock to Mating Part            | None                           |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.231/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 3.05mm                         |
| 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       | Yes                            |
| Polarized to PCB               | No                             |
| Shrouded                       | Partial                        |
| Stackable                      | No                             |



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

[42377 Series](#)

Mates With

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

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| Surface Mount Compatible (SMC)                 | Yes                                |
| 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                     | 235                                |
| <b>Material Info</b>                           |                                    |
| Engineering Number                             | 42377-0108                         |
| <b>Reference - Drawing Numbers</b>             |                                    |
| Packaging Specification                        | PK-40873-0041-001                  |
| Product Specification                          | PS-10-07-001                       |
| Sales Drawing                                  | SD-42377-001-000, SD-42377-001-002 |
| Symbol/Footprint Data                          | SYM-22-28-8031-001                 |

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