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Part Number:

0022288143

Status:

Active

Overview:

[KK® Interconnect System - Molex](#)

Description:

KK 254 Breakaway Header, Right-Angle Surface Mount Compatible, 14 Circuits, 0.38µm Gold (Au) Selective Plating, Mating Pin Length 8.23mm

Documents:

[3D Model](#)

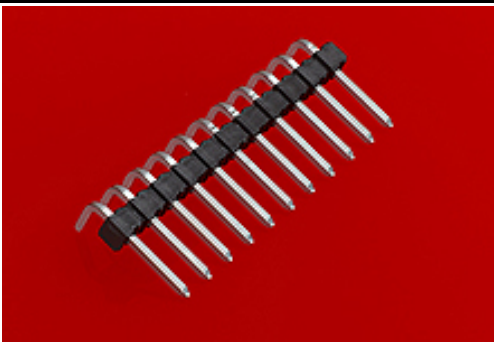
[Drawing \(PDF\)](#)

[Product Specification PS-10-07-001 \(PDF\)](#)

[Packaging Specification PK-40873-0041-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

|                                |  |                                                 |
|--------------------------------|--|-------------------------------------------------|
| Agency Certification           |  |                                                 |
| CSA                            |  | LR19980                                         |
| UL                             |  | E29179                                          |
| Application tooling part link  |  |                                                 |
| Application Tooling Part Link  |  | 11-20-1230                                      |
| General                        |  |                                                 |
| Product Family                 |  | PCB Headers                                     |
| Series                         |  | <a href="#">42377</a>                           |
| 3D Viewer                      |  | Yes                                             |
| Application                    |  | Board-to-Board, Signal, Wire-to-Board           |
| CURRENT-MAX-NUMERIC            |  | 4.0                                             |
| Overview                       |  | <a href="#">KK® Interconnect System - Molex</a> |
| PITCH-MATING-NUMERIC           |  | 2.54                                            |
| Product Name                   |  | KK 254                                          |
| UPC                            |  | 800754389853                                    |
| Physical                       |  |                                                 |
| Breakaway                      |  | Yes                                             |
| Circuits (Loaded)              |  | 14                                              |
| Circuits (maximum)             |  | 14                                              |
| 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                     |  | 1.154/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                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/71/2019 (16 July 2019)                 |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Not Low-Halogen                                               |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

[42377](#) Series

Mates With

KK Crimp Housing [2695](#) , [6471](#) , [7880](#) , KK PC Board Connector [4455](#)

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| 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                             | 42377-0119                         |
| <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-22-28-8141                     |

This document was generated on 10/09/2019

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