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Part Number:

0022280051

Status:

Active

Overview:

KK® Interconnect System - Molex

Description:

KK 254 Breakaway Header, Vertical, with Friction Lock, 5 Circuits, 0.38µm Gold (Au) Selective Plating

Documents:

3D Model

Packaging Specification PK-40873-0056-001 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-10-07-001 (PDF)

Agency Certification

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

Application tooling part link

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

General

|                |                                 |
|----------------|---------------------------------|
| Product Family | PCB Headers                     |
| Series         | 42227                           |
| Application    | Signal, Wire-to-Board           |
| Overview       | KK® Interconnect System - Molex |
| Product Name   | KK 254                          |
| UPC            | 800753788848                    |

Physical

|                                |                           |
|--------------------------------|---------------------------|
| Breakaway                      | Yes                       |
| Circuits (Loaded)              | 5                         |
| Circuits (maximum)             | 5                         |
| Color - Resin                  | Black                     |
| Durability (mating cycles max) | 100                       |
| Flammability                   | 94V-0                     |
| Glow-Wire Capable              | No                        |
| Lock to Mating Part            | Yes                       |
| Material - Metal               | Brass                     |
| Material - Plating Mating      | Gold                      |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Nylon                     |
| Net Weight                     | 0.658/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| 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       | No                        |
| Polarized to PCB               | No                        |
| Shrouded                       | No                        |
| Stackable                      | No                        |
| Temperature Range - Operating  | See Product Specification |
| Termination Interface: Style   | Through Hole              |

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

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

42227 Series

Mates With

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

|                                                |                                |
|------------------------------------------------|--------------------------------|
| 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                             | 42227-0040                     |
| <b>Reference - Drawing Numbers</b>             |                                |
| Packaging Specification                        | PK-40873-0056-001              |
| Product Specification                          | PS-10-07-001                   |
| Sales Drawing                                  | SD-42227-001, SD-42227-001-002 |

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