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**Part Number:** [0022122074](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 Solid Header, Right-Angle, with Friction Lock, 7 Circuits, 0.51µm Gold (Au) Plating

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-10-07-001 \(PDF\)](#)  
[Packaging Specification PK-7478-001-000 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| <b>Agency Certification</b>    |                                                 |
| CSA                            | LR19980                                         |
| UL                             | E29179                                          |
| <b>General</b>                 |                                                 |
| Product Family                 | PCB Headers                                     |
| Series                         | <a href="#">7478</a>                            |
| Application                    | Signal, Wire-to-Board                           |
| Overview                       | <a href="#">KK® Interconnect System - Molex</a> |
| Product Name                   | KK 254                                          |
| UPC                            | 800753592216                                    |
| <b>Physical</b>                |                                                 |
| Breakaway                      | No                                              |
| Circuits (Loaded)              | 7                                               |
| Circuits (maximum)             | 7                                               |
| Color - Resin                  | Natural (White)                                 |
| Durability (mating cycles max) | 50                                              |
| Flammability                   | 94V-0                                           |
| Glow-Wire Capable              | No                                              |
| Lock to Mating Part            | Yes                                             |
| Material - Metal               | Brass                                           |
| Material - Plating Mating      | Gold                                            |
| Material - Plating Termination | Gold                                            |
| Material - Resin               | Nylon                                           |
| Net Weight                     | 0.914/g                                         |
| Number of Rows                 | 1                                               |
| Orientation                    | Right Angle                                     |
| PC Tail Length                 | 3.58mm                                          |
| PCB Locator                    | No                                              |
| PCB Retention                  | None                                            |
| PCB Thickness - Recommended    | 1.60mm                                          |
| Packaging Type                 | Bag                                             |
| Pitch - Mating Interface       | 2.54mm                                          |
| Pitch - Termination Interface  | 2.54mm                                          |
| Plating min - Mating           | 0.508µm                                         |
| Plating min - Termination      | 0.508µm                                         |
| Polarized to Mating Part       | Yes                                             |
| Polarized to PCB               | Yes                                             |
| Shrouded                       | Partial                                         |
| Stackable                      | Yes                                             |
| Temperature Range - Operating  | See Product Specification                       |
| Termination Interface: Style   | Through Hole                                    |
| <b>Electrical</b>              |                                                 |
| Current - Maximum per Contact  | 4.0A                                            |



Series image - Reference only

|                                                                                                                                                                                                                                |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b><u>EU ELV</u></b><br><b>Not Relevant</b>                                                                                                                                                                                    |                          |
| <b><u>EU RoHS</u></b><br><b>Compliant</b>                                                                                                                                                                                      | <b><u>China RoHS</u></b> |
| <b><u>REACH SVHC</u></b><br>Not Contained Per<br>-ED/01/2018 (15<br>January 2018)<br><b><u>Halogen-Free</u></b><br><b><u>Status</u></b><br><b>Low-Halogen</b><br>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**  
[7478](#) Series

**Mates With**  
[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#)

|                                                |                 |
|------------------------------------------------|-----------------|
| 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                             | A-7478-07A241   |
| <b>Reference - Drawing Numbers</b>             |                 |
| Packaging Specification                        | PK-7478-001-000 |
| Product Specification                          | PS-10-07-001    |
| Sales Drawing                                  | SDA-7478-000    |

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