

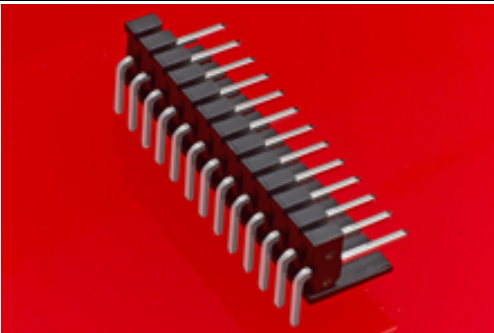
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**Part Number:** [0022282306](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 Breakaway Header, Right-Angle, with Plastic Polarizing Peg, 30 Circuits, 0.76µm Gold (Au) Selective Plating, with Kinked PC Tails  
**Replacement Part Number:** <http://www.molex.com/molex/products/listview.jsp?channel=Products&sType=p&query=002228130522-28-1305> see comments

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

|                               |                                                                                                                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Agency Certification</b>   |                                                                                                                                                                                                                     |
| CSA                           | LR19980                                                                                                                                                                                                             |
| UL                            | E29179                                                                                                                                                                                                              |
| <b>General</b>                |                                                                                                                                                                                                                     |
| Product Family                | PCB Headers                                                                                                                                                                                                         |
| Series                        | <a href="#">42226</a>                                                                                                                                                                                               |
| Application                   | Signal, Wire-to-Board                                                                                                                                                                                               |
| Application Tooling Part Link | 11-20-1230                                                                                                                                                                                                          |
| Comments                      | Original part has a polarized backwall, replacement has friction lock backwall. Pin length of FKL header is .720" vs. .685" of polarized version. Tin length of FKL header is .135" vs. .100" of polarized version. |
| Overview                      | <a href="#">KK® Interconnect System - Molex</a>                                                                                                                                                                     |
| Product Name                  | KK 254                                                                                                                                                                                                              |
| Replacement Part Number       | <a href="#">22-28-1305</a> see comments                                                                                                                                                                             |
| UPC                           | 800753812208                                                                                                                                                                                                        |

|                                |             |
|--------------------------------|-------------|
| <b>Physical</b>                |             |
| Breakaway                      | Yes         |
| Circuits (Loaded)              | 30          |
| Circuits (maximum)             | 30          |
| 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               | Nylon       |
| Net Weight                     | 4.481/g     |
| Number of Rows                 | 1           |
| Orientation                    | Right Angle |
| PC Tail Length                 | 3.43mm      |
| PCB Locator                    | No          |
| PCB Retention                  | Yes         |
| PCB Thickness - Recommended    | 1.60mm      |
| Packaging Type                 | Bag         |
| Pitch - Mating Interface       | 2.54mm      |
| Plating min - Mating           | 0.762µm     |
| Plating min - Termination      | 2.540µm     |
| Polarized to Mating Part       | No          |
| Polarized to PCB               | No          |
| Shrouded                       | No          |



Series image - Reference only

|                                                                                                                                                                                                                                                   |                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                              |                                              |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>ED/61/2018 (27 June<br>2018)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Not Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b>                            |
| China ROHS<br>ELV<br>RoHS Phthalates                                                                                                                                                                                                              | Green Image<br>Not Relevant<br>Not Contained |

**Search Parts in this Series**  
[42226](#) Series

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

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Stackable                                      | No                             |
| 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                             | 42226-0205                     |
| <b>Reference - Drawing Numbers</b>             |                                |
| Product Specification                          | PS-10-07-001                   |
| Sales Drawing                                  | SD-42226-001, SD-42226-001-002 |

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