

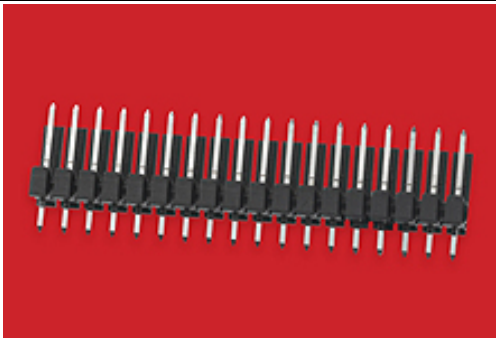
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**Part Number:** [0022283165](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 Breakaway Header, Vertical, with Polarizing Wall, 16 Circuits, 0.76µm Gold (Au) Selective Plating, with Kinked PC Tails  
<http://www.molex.com/molex/products/listview.jsp?channel=Products&sType=p&query=002228016522-28-0165> see comments  
**Replacement Part Number:**

**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="#">42225</a>                                                                                                                                                             |
| Application                   | Signal, Wire-to-Board                                                                                                                                                             |
| Application Tooling Part Link | 11-20-1230                                                                                                                                                                        |
| Comments                      | Original part number has polarized backwall, Replacement has friction lock. Gold Point in FKL replacement is .180" vs Pol version .140", Tin in FKL is .135" vs Pol version .100" |
| Overview                      | <a href="#">KK® Interconnect System - Molex</a>                                                                                                                                   |
| Product Name                  | KK 254                                                                                                                                                                            |
| Replacement Part Number       | <a href="#">22-28-0165</a> see comments                                                                                                                                           |
| UPC                           | 800753816794                                                                                                                                                                      |

|                                |          |
|--------------------------------|----------|
| <b>Physical</b>                |          |
| Breakaway                      | Yes      |
| Circuits (Loaded)              | 16       |
| Circuits (maximum)             | 16       |
| 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                     | 2.112/g  |
| Number of Rows                 | 1        |
| Orientation                    | Vertical |
| 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       | Yes      |
| Polarized to PCB               | No       |
| Shrouded                       | Partial  |



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**  
[42225 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                             | 42225-0191                     |
| <b>Reference - Drawing Numbers</b>             |                                |
| Product Specification                          | PS-10-07-001                   |
| Sales Drawing                                  | SD-42225-001, SD-42225-001-002 |

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