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**Part Number:** [0022272161](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 Wire-to-Board Header, Vertical, with Friction Lock, 16 Circuits, Tin (Sn) Plating

**Documents:**  
[3D Model](#) [Packaging Specification PK-6410-002-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Symbol Footprint Data SYM-22-27-2161-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-99020-0088-001 \(PDF\)](#)

|                             |                                                 |
|-----------------------------|-------------------------------------------------|
| <b>Agency Certification</b> |                                                 |
| CSA                         | LR19980                                         |
| UL                          | E29179                                          |
| <b>General</b>              |                                                 |
| Product Family              | PCB Headers                                     |
| Series                      | <a href="#">6410</a>                            |
| Application                 | Signal, Wire-to-Board                           |
| Overview                    | <a href="#">KK® Interconnect System - Molex</a> |
| Product Name                | KK 254                                          |
| UPC                         | 800753589698                                    |

|                                |                           |
|--------------------------------|---------------------------|
| <b>Physical</b>                |                           |
| Breakaway                      | No                        |
| Circuits (Loaded)              | 16                        |
| Circuits (maximum)             | 16                        |
| Color - Resin                  | Natural (White)           |
| First Mate / Last Break        | No                        |
| Flammability                   | 94V-0                     |
| Glow-Wire Capable              | No                        |
| Guide to Mating Part           | No                        |
| Keying to Mating Part          | None                      |
| Lock to Mating Part            | Yes                       |
| Material - Metal               | Brass                     |
| Material - Plating Mating      | Tin                       |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Nylon                     |
| Net Weight                     | 1.625/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| PC Tail Length                 | 3.56mm                    |
| 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           | 5.080µm                   |
| Plating min - Termination      | 5.080µm                   |
| Polarized to Mating Part       | Yes                       |
| Polarized to PCB               | No                        |
| Shrouded                       | Partial                   |
| Stackable                      | No                        |
| Surface Mount Compatible (SMC) | No                        |
| Temperature Range - Operating  | See Product Specification |
| Termination Interface: Style   | Through Hole              |



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>D(2020)9139-DC (19<br>Jan 2021)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                                  | Green Image<br>Not Relevant<br>Not Contained                                                  |

**Search Parts in this Series**  
[6410 Series](#)

**Mates With**  
KK Crimp Terminal Housing [2695](#) , [6471](#)

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 4.0A |
| Voltage - Maximum             | 500V |

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 235  |

**Material Info**

|                    |                  |
|--------------------|------------------|
| Engineering Number | AE-6410-16A(222) |
|--------------------|------------------|

**Reference - Drawing Numbers**

|                         |                    |
|-------------------------|--------------------|
| Packaging Specification | PK-6410-002-001    |
| Product Specification   | PS-99020-0088-001  |
| Sales Drawing           | SDAE-6410-N-000    |
| Symbol/Footprint Data   | SYM-22-27-2161-001 |

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