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**Part Number:** [0022292121](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** KK 254 Wire-to-Board Header, Vertical, with Friction Lock, 12 Circuits, Gold (Au) Plating

**Documents:**

|                                                               |                                                                |
|---------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>                                      | <a href="#">Packaging Specification PK-6410-002-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Symbol Footprint Data SYM-22-27-2121-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification PS-99020-0088-001 (PDF)</a> |                                                                |

**Agency Certification**

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

**General**

|                |                                           |
|----------------|-------------------------------------------|
| Product Family | PCB Headers                               |
| Series         | <a href="#">6410</a>                      |
| Application    | Signal, Wire-to-Board                     |
| Overview       | <a href="#">KK Interconnect Solutions</a> |
| Product Name   | KK 254                                    |
| UPC            | 800753735927                              |

**Physical**

|                                |                           |
|--------------------------------|---------------------------|
| Breakaway                      | No                        |
| Circuits (Loaded)              | 12                        |
| Circuits (maximum)             | 12                        |
| 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      | Gold                      |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Nylon                     |
| Net Weight                     | 1.238/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           | 0.508µm                   |
| Plating min - Termination      | 0.508µm                   |
| Polarized to Mating Part       | Yes                       |
| Polarized to PCB               | No                        |
| Shrouded                       | Partial                   |
| Stackable                      | No                        |
| Surface Mount Compatible (SMC) | No                        |
| Temperature Range - Operating  | See Product Specification |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**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**

[6410](#) Series

**Mates With**

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

|                                                |                    |
|------------------------------------------------|--------------------|
| 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                             | AE-6410-12A(241)   |
| <b>Reference - Drawing Numbers</b>             |                    |
| Packaging Specification                        | PK-6410-002-001    |
| Product Specification                          | PS-99020-0088-001  |
| Sales Drawing                                  | SDAE-6410-N-000    |
| Symbol/Footprint Data                          | SYM-22-27-2121-001 |

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