

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0022286051](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** KK 254 Breakaway Header, Right-Angle, 5 Circuits, Tin (Sn) Plating, Mating Pin Length 10.29mm (.405")

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                 | <a href="#">Packaging Specification PK-40873-0041-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Packaging Specification PK-40873-0043-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                           | <a href="#">Symbol Footprint Data SYM-22-28-6053-001 (PDF)</a>  |
| <a href="#">Product Specification PS-10-07-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**Agency Certification**

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

**Application tooling part link**

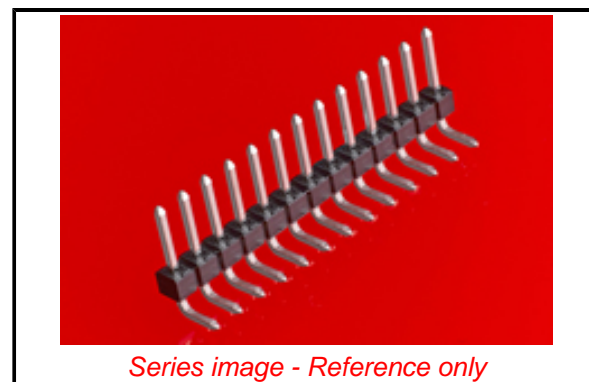
|                               |            |
|-------------------------------|------------|
| Application Tooling Part Link | 11-20-1230 |
|-------------------------------|------------|

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                               |
| Series         | <a href="#">42376</a>                     |
| Application    | Board-to-Board, Signal, Wire-to-Board     |
| Overview       | <a href="#">KK Interconnect Solutions</a> |
| Product Name   | KK 254                                    |
| UPC            | 800753800212                              |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | Yes                            |
| Circuits (Loaded)              | 5                              |
| Circuits (maximum)             | 5                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 25                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.443/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 3.05mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Bag                            |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 2.540µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | No                             |
| Polarized to PCB               | No                             |
| Shrouded                       | No                             |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | No                             |
| Temperature Range - Operating  | See Product Specification      |
| Termination Interface: Style   | Through Hole                   |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)10043-DC (17  
Jan 2022)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42376 Series](#)

**Mates With**

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

**Electrical**

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

**Solder Process Data**

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

**Material Info**

Engineering Number 42376-0110

**Reference - Drawing Numbers**

Packaging Specification PK-40873-0041-001, PK-40873-0043-001  
Product Specification PS-10-07-001  
Sales Drawing SD-42376-001-001, SD-42376-001-002  
Symbol/Footprint Data SYM-22-28-6053-001

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