

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [22-28-0141](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnection System](#)  
**Description:** 2.54mm Pitch KK® Header, Breakaway, Vertical, with Friction Lock, 14 Circuits, 0.38µm Gold (Au) Selective Plating

**Documents:**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-10-07 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**Agency Certification**

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

**General**

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Product Family                | PCB Headers                                |
| Series                        | <a href="#">42227</a>                      |
| Application                   | Signal, Wire-to-Board                      |
| Application Tooling Part Link | 011201230                                  |
| Overview                      | <a href="#">KK® Interconnection System</a> |
| Product Name                  | KK®                                        |

**Physical**

|                                |              |
|--------------------------------|--------------|
| Breakaway                      | Yes          |
| Circuits (Loaded)              | 14           |
| Circuits (maximum)             | 14           |
| Color - Resin                  | Black        |
| Durability (mating cycles max) | 100          |
| Flammability                   | 94V-0        |
| Glow-Wire Compliant            | No           |
| Lock to Mating Part            | Yes          |
| Material - Metal               | Brass        |
| Material - Plating Mating      | Gold         |
| Material - Plating Termination | Tin          |
| Material - Resin               | Nylon        |
| Number of Rows                 | 1            |
| Orientation                    | Vertical     |
| PC Tail Length                 | 3.43mm       |
| PCB Locator                    | No           |
| PCB Retention                  | None         |
| PCB Thickness - Recommended    | 1.60mm       |
| Packaging Type                 | Bag          |
| Pitch - Mating Interface       | 2.54mm       |
| Plating min - Mating           | 0.381µm      |
| Plating min - Termination      | 2.540µm      |
| Polarized to Mating Part       | No           |
| Polarized to PCB               | No           |
| Shrouded                       | No           |
| Stackable                      | No           |
| Temperature Range - Operating  | 0°C to +75°C |
| Termination Interface: Style   | Through Hole |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 4A   |
| Voltage - Maximum             | 250V |

**Solder Process Data**



image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**

[42227Series](#)

**Mates With**

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

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 235                    |

**Material Info**

|                 |              |
|-----------------|--------------|
| Old Part Number | 42227-0049   |
| UPC             | 800753792234 |

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-10-07     |
| Sales Drawing         | SD-42227-001 |

This document was generated on 07/13/2012

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**