

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

**Part Number:** **0022288312**  
**Status:** **Contact Molex**  
**Description:** 2.54mm (.100") Pitch KK® Header, Breakaway, Right Angle Surface Mount Compatible, 31 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Mating Pin Length 6.20mm (.244")

**Documents:**

[3D Model](#) [Product Specification PS-10-07 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [42377](#)  
 Application Board-to-Board, Signal, Wire-to-Board  
 Application Tooling Part Link 011201230  
 Product Name KK®

**Physical**

Breakaway Yes  
 Circuits (Loaded) 31  
 Circuits (maximum) 31  
 Durability (mating cycles max) 100  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Lock to Mating Part None  
 Material - Plating Mating Gold  
 Number of Rows 1  
 Orientation Right Angle  
 PC Tail Length 3.05mm (.120")  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm (.063")  
 Packaging Type Bag  
 Pitch - Mating Interface 2.54mm (.100")  
 Polarized to Mating Part Yes  
 Polarized to PCB No  
 Shrouded Partial  
 Stackable No  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating 0°C to +75°C  
 Termination Interface: Style Through Hole

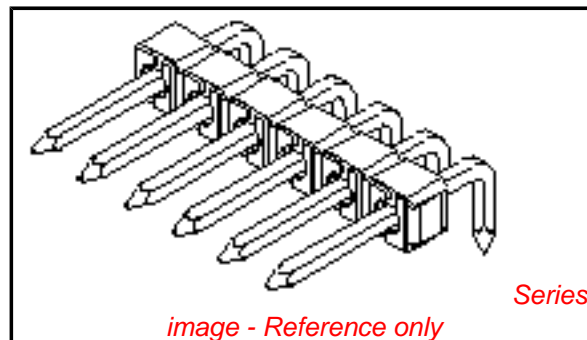
**Electrical**

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

**Solder Process Data**

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**



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Reviewed**

**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**

[42377Series](#)

**Mates With**

[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#) , [70430](#) , [7859](#) , L ink:[90148](#) , [90147](#) , [70400a](#) , [70066a](#) , [40556](#)

Old Part Number

42377-0101

**Reference - Drawing Numbers**

Product Specification

PS-10-07

Sales Drawing

SD-42377-001

This document was generated on 01/25/2011

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