

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

**Part Number:** [0416810046](#)  
**Status:** **Active**  
**Description:** 3.96mm (.156") Pitch KK® Header, Breakaway, Vertical, Polarizing Wall, 24 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating

**Documents:**

[3D Model](#) [Product Specification PS-08-50 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification \(PDF\)](#)

**General**

Product Family PCB Headers  
 Series [41681](#)  
 Application Wire-to-Board  
 Application Tooling Part Link 011200901  
 Product Name KK®

**Physical**

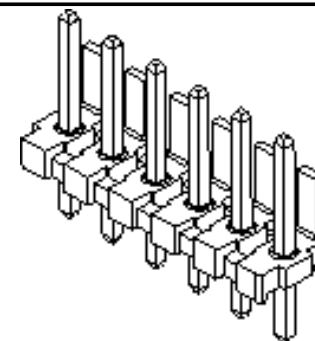
Breakaway Yes  
 Circuits (Loaded) 24  
 Circuits (maximum) 24  
 Color - Resin Black  
 Durability (mating cycles max) 50  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Lock to Mating Part None  
 Material - Metal Brass  
 Material - Plating Mating Gold  
 Material - Resin Polyester  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length (in) 0.172 In  
 PC Tail Length (mm) 4.37 mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness Recommended (in) 0.062 In  
 PCB Thickness Recommended (mm) 1.60 mm  
 Packaging Type Bag  
 Pitch - Mating Interface (in) 0.156 In  
 Pitch - Mating Interface (mm) 3.96 mm  
 Plating min: Mating (µin) 30  
 Plating min: Mating (µm) 0.76  
 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**

CSA LR19980  
 Current - Maximum 7A  
 UL E29179  
 Voltage - Maximum 250V

**Material Info**

Old Part Number A-41681-B24228



Series image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No**

**Halogen-Free**

**Status**

**Not Reviewed**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

Duration at Max. 5  
 Process Temperature (seconds)  
 Lead-free Process Wave Capable (TH Capability only)  
 Max. Cycles at Max. 1  
 Process Temperature  
 Process Temperature 230 max. C

**Search Parts in this Series**

[41681 Series](#)

**Mates With**

[3069](#) , [2139](#) , [2145](#) , [6442](#) , [7674](#) , [7675](#) , [41695](#) , L ink:41815

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description** **Product #**

Cutting Tool for [0011200901](#)  
 3.96mm (.156")  
 Centers Breakaway

**Reference - Drawing Numbers**

Product Specification

Sales Drawing

PS-08-50

SD-41681-001

Headers, 2-24

Circuits

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