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**Part Number:** [0416610019](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** [KK 396 Breakaway Header, Vertical, 20 Circuits, 0.38µm Gold \(Au\) Selective Plating](#)

**Documents:**

[3D Model](#) [Packaging Specification PK-41661-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-08-50-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**Application tooling part link**

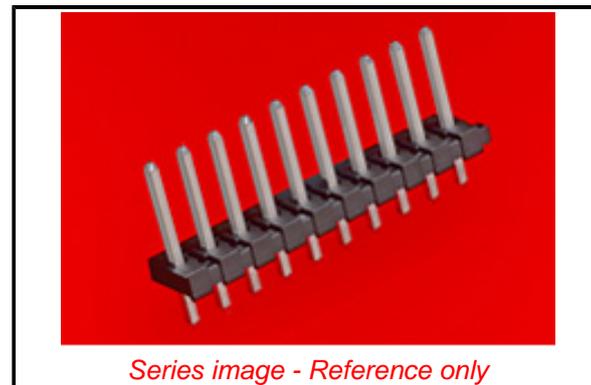
Application Tooling Part Link 11-20-0901

**General**

Product Family PCB Headers  
 Series [41661](#)  
 3D Viewer Yes  
 Application Board-to-Board, Power, Wire-to-Board  
 CURRENT-MAX-NUMERIC 7.0  
 Overview [KK® Interconnect System - Molex](#)  
 PITCH-MATING-NUMERIC 3.96  
 Product Name KK 396  
 UPC 800753966901

**Physical**

Breakaway Yes  
 Circuits (Loaded) 20  
 Circuits (maximum) 20  
 Color - Resin Black  
 Durability (mating cycles max) 50  
 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 None  
 Material - Metal Brass  
 Material - Plating Mating Gold  
 Material - Plating Termination Gold  
 Material - Resin Polyester  
 Net Weight 5.975/g  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 4.37mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Bag  
 Pitch - Mating Interface 3.96mm  
 Pitch - Termination Interface 3.96mm  
 Plating min - Mating 0.381µm  
 Polarized to Mating Part Yes  
 Polarized to PCB No



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/71/2019 (16 July  
 2019)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[41661](#) Series

**Mates With**

[2139](#) KK Crimp Housing, [41695](#) KK Crimp  
 Housing, [6442](#) KK Crimp Housing, [2145](#)  
 PCB Connector, [41815](#) PCB Connector,  
[3069](#) KK Crimp Housing

Shrouded	Partial
Stackable	No
Temperature Range - Operating	See Product Specification
Termination Interface: Style	Through Hole
<b>Electrical</b>	
Current - Maximum per Contact	7.0A
Voltage - Maximum	250V
<b>Solder Process Data</b>	
Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235
<b>Material Info</b>	
Engineering Number	A-41661-B20A208
<b>Reference - Drawing Numbers</b>	
Packaging Specification	PK-41661-001-001
Product Specification	PS-08-50-001
Sales Drawing	SD-41661-001, SD-41661-001-002
Symbol/Footprint Data	SYM-26-48-1201

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