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Part Number: [0022288142](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Header, Breakaway, Right Angle Surface Mount Compatible, 14 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Mating Pin Length 6.20mm (.244")

Documents:

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

General

Product Family	PCB Headers
Series	42377
Application	Board-to-Board, Wire-to-Board
Application Tooling Part Link	011201230
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	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.120 In
PC Tail Length (mm)	3.05 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)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.375
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
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

CSA LR19980



EU RoHS

**ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status**

Not Reviewed

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

Email 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.

China RoHS



Search Parts in this Series

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Mates With

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

Current - Maximum	4A
UL	E29179
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

Old Part Number	42377-0084
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Reference - Drawing Numbers

Product Specification	PS-10-07
Sales Drawing	SD-42377-001

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