

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022032021](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Wire-to-Board Header, Single Row, Vertical, 2 Circuits, PA Polyamide Nylon, Tin (Sn) Plating

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

Agency Certification

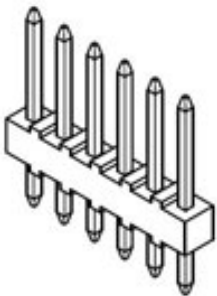
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [4030](#)
Application Board-to-Board, Wire-to-Board
MolexKits Yes
Product Name KK®

Physical

Breakaway No
Circuits (Loaded) 2
Circuits (maximum) 2
Color - Resin Natural (White)
Durability (mating cycles max) 25
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part None
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.135 In
PC Tail Length (mm) 3.43 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) 200
Plating min: Mating (µm) 5
Plating min: Termination (µin) 200
Plating min: Termination (µm) 5
Polarized to Mating Part No
Polarized to PCB No
Shrouded No
Stackable Yes
Surface Mount Compatible (SMC) No
Temperature Range - Operating 0°C to +75°C
Termination Interface: Style Through Hole



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free

China RoHS



**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.

Search Parts in this Series
[4030Series](#)

Mates With
[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#)

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

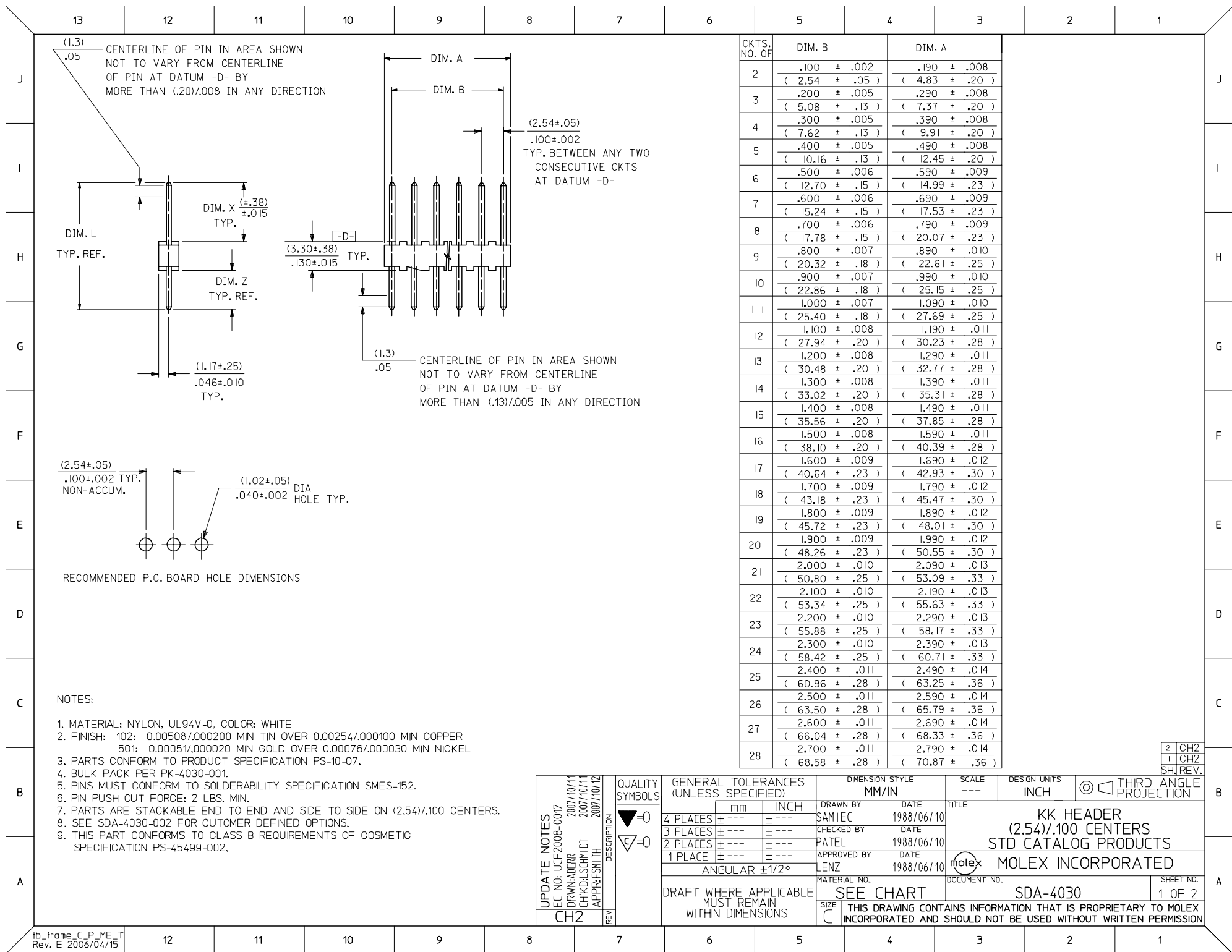
Old Part Number	A-4030-02A102
-----------------	---------------

Reference - Drawing Numbers

Packaging Specification	PK-4030-001
Product Specification	PS-10-07
Sales Drawing	SDA-4030

This document was generated on 05/27/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



	13	12	11	10	9	8	7	6	5	4	3	2	1																																																					
J	ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	PACKAGE PER	EDP NO. IN COL NO							J																																																				
	A-4030 -NA(102)	2766 -I(102)	.560 (14.22)	.295 (7.49)	.135 (3.43)	PK-4030-001 BULK	1																																																											
	A-4030 -NA(501)	2766 -I(501)	.560 (14.22)	.295 (7.49)	.135 (3.43)	PK-4030-001 BULK	2																																																											
I	A- -	-	()	()	()																																																													
	A- -	-	()	()	()																																																													
	A- -	-	()	()	()																																																													
	A- -	-	()	()	()																																																													
H														H																																																				
G														G																																																				
	COLUMN NO. 1		COLUMN NO. 2																																																															
	EDP NO.	ENG. NO.	NO OF CKTS	EDP NO.	ENG. NO.	NO OF CKTS																																																												
F	22-03-2021	A-4030-02A(102)	2	22-10-2021	A-4030-02A(501)	2																																																												
	22-03-2031	A-4030-03A(102)	3	22-10-2031	A-4030-03A(501)	3																																																												
	22-03-2041	A-4030-04A(102)	4	22-10-2041	A-4030-04A(501)	4																																																												
	22-03-2051	A-4030-05A(102)	5	22-10-2051	A-4030-05A(501)	5								F																																																				
	22-03-2061	A-4030-06A(102)	6	22-10-2061	A-4030-06A(501)	6																																																												
	22-03-2071	A-4030-07A(102)	7	22-10-2071	A-4030-07A(501)	7																																																												
E	22-03-2081	A-4030-08A(102)	8	22-10-2081	A-4030-08A(501)	8								E																																																				
	22-03-2091	A-4030-09A(102)	9	22-10-2091	A-4030-09A(501)	9																																																												
	22-03-2101	A-4030-10A(102)	10	22-10-2101	A-4030-10A(501)	10																																																												
	22-03-2111	A-4030-11A(102)	11	22-10-2111	A-4030-11A(501)	11																																																												
	22-03-2121	A-4030-12A(102)	12	22-10-2121	A-4030-12A(501)	12																																																												
	22-03-2131	A-4030-13A(102)	13	22-10-2131	A-4030-13A(501)	13																																																												
D	22-03-2141	A-4030-14A(102)	14	22-10-2141	A-4030-14A(501)	14								D																																																				
	22-03-2151	A-4030-15A(102)	15	22-10-2151	A-4030-15A(501)	15																																																												
	22-03-2161	A-4030-16A(102)	16	22-10-2161	A-4030-16A(501)	16																																																												
	22-03-2171	A-4030-17A(102)	17	22-10-2171	A-4030-17A(501)	17																																																												
	22-03-2181	A-4030-18A(102)	18	22-10-2181	A-4030-18A(501)	18																																																												
	22-03-2191	A-4030-19A(102)	19	22-10-2191	A-4030-19A(501)	19																																																												
	22-03-2201	A-4030-20A(102)	20	22-10-2201	A-4030-20A(501)	20																																																												
C	22-03-2211	A-4030-21A(102)	21	22-10-2211	A-4030-21A(501)	21								C																																																				
	22-03-2221	A-4030-22A(102)	22	22-10-2221	A-4030-22A(501)	22																																																												
	22-03-2231	A-4030-23A(102)	23	22-10-2231	A-4030-23A(501)	23																																																												
	22-03-2241	A-4030-24A(102)	24	22-10-2241	A-4030-24A(501)	24																																																												
	22-03-2251	A-4030-25A(102)	25	22-10-2251	A-4030-25A(501)	25																																																												
	22-03-2261	A-4030-26A(102)	26	22-10-2261	A-4030-26A(501)	26																																																												
	22-03-2271	A-4030-27A(102)	27	22-10-2271	A-4030-27A(501)	27																																																												
B	22-03-2281	A-4030-28A(102)	28	22-10-2281	A-4030-28A(501)	28								B																																																				
A														A																																																				
<table><tr><td rowspan="10">UPDATE TITLE BLOCK EC NO: UCP2008-0017 2007/10/11 DRWN:ADERR CHKD:LSCHMIDT 2007/10/11 APPR:FSMITH 2007/10/12 CH2</td><td rowspan="10">DESCRIPTION REV</td><td>QUALITY SYMBOLS ▽=0 ▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE IN/MM</td><td>SCALE ---</td><td>DESIGN UNITS INCH</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="4">4 PLACES 3 PLACES 2 PLACES 1 PLACE</td><td>mm</td><td>INCH</td><td>DRAWN BY SAMIEC</td><td>DATE 1993/07/15</td><td colspan="5" rowspan="4">KK HEADER (2.54)/.100 CENTERS STD CATALOG PRODUCTS MOLEX INCORPORATED</td></tr><tr><td>± ---</td><td>± ---</td><td>CHECKED BY PATEL</td><td>DATE 1993/07/15</td></tr><tr><td>± ---</td><td>± ---</td><td>APPROVED BY LENZ</td><td>DATE 1993/07/15</td></tr><tr><td>± ---</td><td>± ---</td><td colspan="2">MATERIAL NO.</td></tr><tr><td colspan="4">ANGULAR ±1/2°</td><td colspan="2">SEE CHART</td><td colspan="2">DOCUMENT NO.</td><td colspan="2">SHEET NO.</td></tr><tr><td colspan="4">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td colspan="2">SDA-4030</td><td colspan="2">2 OF 2</td></tr></table>														UPDATE TITLE BLOCK EC NO: UCP2008-0017 2007/10/11 DRWN:ADERR CHKD:LSCHMIDT 2007/10/11 APPR:FSMITH 2007/10/12 CH2	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY SAMIEC	DATE 1993/07/15	KK HEADER (2.54)/.100 CENTERS STD CATALOG PRODUCTS MOLEX INCORPORATED					± ---	± ---	CHECKED BY PATEL	DATE 1993/07/15	± ---	± ---	APPROVED BY LENZ	DATE 1993/07/15	± ---	± ---	MATERIAL NO.		ANGULAR ±1/2°				SEE CHART		DOCUMENT NO.		SHEET NO.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SDA-4030		2 OF 2	
UPDATE TITLE BLOCK EC NO: UCP2008-0017 2007/10/11 DRWN:ADERR CHKD:LSCHMIDT 2007/10/11 APPR:FSMITH 2007/10/12 CH2	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION																																																									
		4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY SAMIEC	DATE 1993/07/15	KK HEADER (2.54)/.100 CENTERS STD CATALOG PRODUCTS MOLEX INCORPORATED																																																											
			± ---	± ---	CHECKED BY PATEL	DATE 1993/07/15																																																												
			± ---	± ---	APPROVED BY LENZ	DATE 1993/07/15																																																												
			± ---	± ---	MATERIAL NO.																																																													
		ANGULAR ±1/2°				SEE CHART		DOCUMENT NO.		SHEET NO.																																																								
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SDA-4030		2 OF 2																																																								

1b_frame_C_P_ME_T Rev. E 2006/04/15	12	11	10	9	8	7	6	5	4	3	2	1
--	----	----	----	---	---	---	---	---	---	---	---	---