

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022032251](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Wire-to-Board Header, Single Row, Vertical, 25 Circuits, PA Polyamide Nylon, Tin (Sn) Plating

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

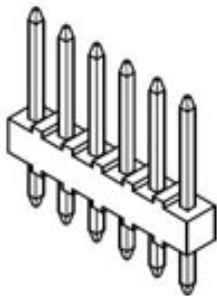
Product Family	PCB Headers
Series	4030
Application	Board-to-Board, Wire-to-Board
Product Name	KK®

Physical

Breakaway	No
Circuits (Loaded)	25
Circuits (maximum)	25
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 - 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)	5.00
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

Electrical

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



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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](#)

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

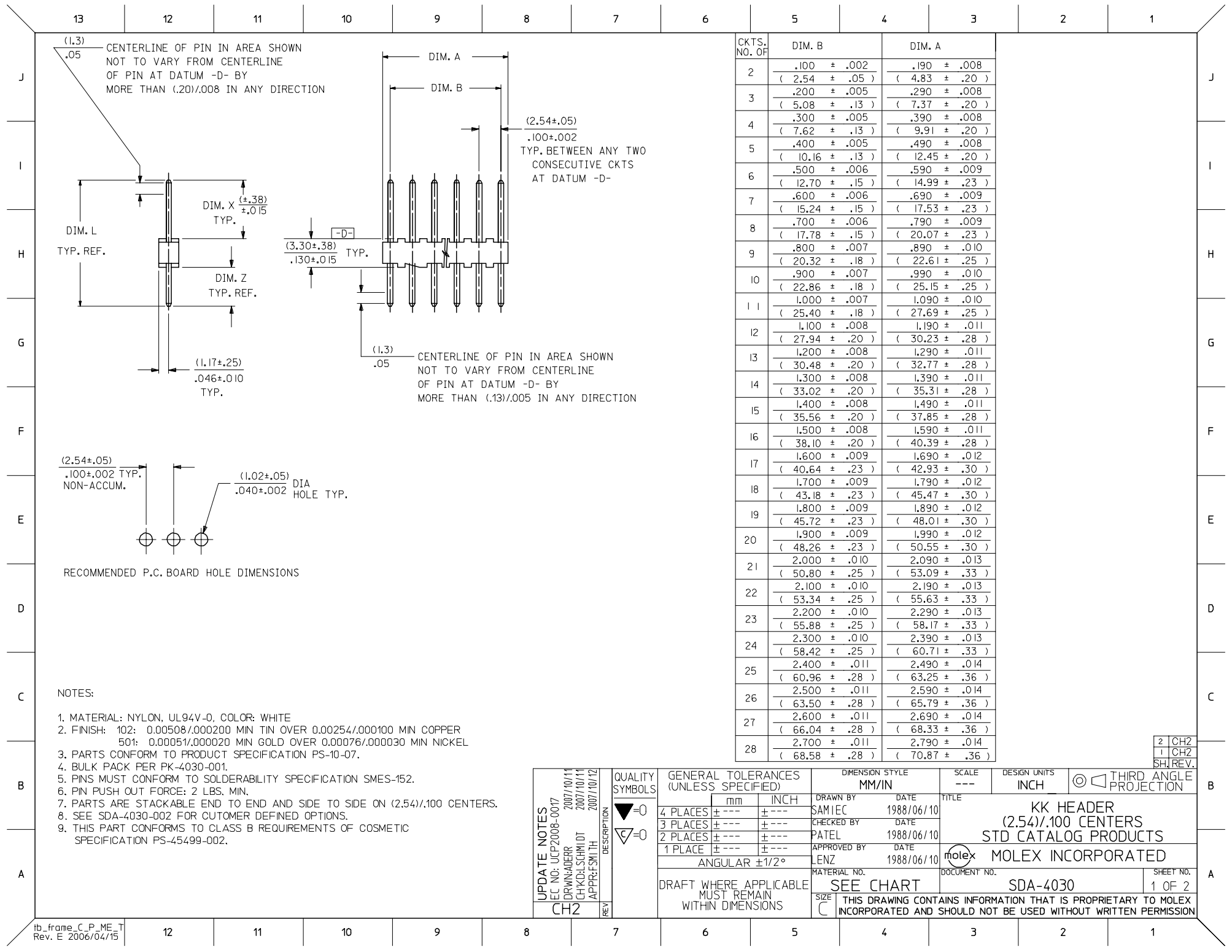
Old Part Number	A-4030-25A102
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Reference - Drawing Numbers

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

This document was generated on 05/13/2010

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CKTS. NO. OF	DIM. B	DIM. A
	()	()
2	.100 ± .002 (2.54 ± .05)	.190 ± .008 (4.83 ± .20)
3	.200 ± .005 (5.08 ± .13)	.290 ± .008 (7.37 ± .20)
4	.300 ± .005 (7.62 ± .13)	.390 ± .008 (9.91 ± .20)
5	.400 ± .005 (10.16 ± .13)	.490 ± .008 (12.45 ± .20)
6	.500 ± .006 (12.70 ± .15)	.590 ± .009 (14.99 ± .23)
7	.600 ± .006 (15.24 ± .15)	.690 ± .009 (17.53 ± .23)
8	.700 ± .006 (17.78 ± .15)	.790 ± .009 (20.07 ± .23)
9	.800 ± .007 (20.32 ± .18)	.890 ± .010 (22.61 ± .25)
10	.900 ± .007 (22.86 ± .18)	.990 ± .010 (25.15 ± .25)
11	1.000 ± .007 (25.40 ± .18)	1.090 ± .010 (27.69 ± .25)
12	1.100 ± .008 (27.94 ± .20)	1.190 ± .011 (30.23 ± .28)
13	1.200 ± .008 (30.48 ± .20)	1.290 ± .011 (32.77 ± .28)
14	1.300 ± .008 (33.02 ± .20)	1.390 ± .011 (35.31 ± .28)
15	1.400 ± .008 (35.56 ± .20)	1.490 ± .011 (37.85 ± .28)
16	1.500 ± .008 (38.10 ± .20)	1.590 ± .011 (40.39 ± .28)
17	1.600 ± .009 (40.64 ± .23)	1.690 ± .012 (42.93 ± .30)
18	1.700 ± .009 (43.18 ± .23)	1.790 ± .012 (45.47 ± .30)
19	1.800 ± .009 (45.72 ± .23)	1.890 ± .012 (48.01 ± .30)
20	1.900 ± .009 (48.26 ± .23)	1.990 ± .012 (50.55 ± .30)
21	2.000 ± .010 (50.80 ± .25)	2.090 ± .013 (53.09 ± .33)
22	2.100 ± .010 (53.34 ± .25)	2.190 ± .013 (55.63 ± .33)
23	2.200 ± .010 (55.88 ± .25)	2.290 ± .013 (58.17 ± .33)
24	2.300 ± .010 (58.42 ± .25)	2.390 ± .013 (60.71 ± .33)
25	2.400 ± .011 (60.96 ± .28)	2.490 ± .014 (63.25 ± .36)
26	2.500 ± .011 (63.50 ± .28)	2.590 ± .014 (65.79 ± .36)
27	2.600 ± .011 (66.04 ± .28)	2.690 ± .014 (68.33 ± .36)
28	2.700 ± .011 (68.58 ± .28)	2.790 ± .014 (70.87 ± .36)

2	CH2
1	CH2
SH	REV.

UPDATE NOTES
EC NO: UCP2008-0017
2007/10/11
DRAWN:ADRR
CHKD:LSHMT
2007/10/11
APPR:FSM TH
2007/10/12
REV

QUALITY SYMBOLS
=0
=0

DESCRIPTION

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES ± ---	± ---	± ---
3 PLACES ± ---	± ---	± ---
2 PLACES ± ---	± ---	± ---
1 PLACE ± ---	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

DRAWN BY	DATE
SAMIEC	1988/06/10
CHECKED BY	DATE
PATEL	1988/06/10
APPROVED BY	DATE
LENZ	1988/06/10

MATERIAL NO.

DOCUMENT NO.

SEE CHART

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

KK HEADER
(2.54)/.100 CENTERS
STD CATALOG PRODUCTS

MOLEX MOLEX INCORPORATED

SDA-4030

SHEET NO.
1 OF 2

	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- -	-	()	()	()									I																										
	A- -	-	()	()	()																																			
	A- -	-	()	()	()																																			
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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																																		
	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								E																										
	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																																		
	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								D																										
	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																																		
	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								C																										
	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																																		
A														A																										
UPDATE TITLE BLOCK EC NO: UCP2008-0017 2007/10/11 DRWN:ADER 2007/10/11 CHKD:LSCHMIDT 2007/10/11 APPR:FSMITH 2007/10/12 REV CH2 QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr></table> ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>SAMIEC</td><td>1993/07/15</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>PATEL</td><td>1993/07/15</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>LENZ</td><td>1993/07/15</td></tr></table> MATERIAL NO. SEE CHART SIZE C SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION															mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	DRAWN BY	DATE	SAMIEC	1993/07/15	CHECKED BY	DATE	PATEL	1993/07/15	APPROVED BY	DATE	LENZ	1993/07/15
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td_frame_C_P_ME_T Rev. E 2006/04/15	12	11	10	9	8	7	6	5	4	3	2	1																												