

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022032041](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Wire-to-Board Header, Single Row, Vertical, 4 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

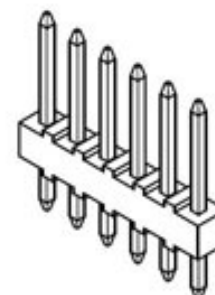
CSA LR19980
 UL E29179

General

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

Physical

Breakaway No
 Circuits (Loaded) 4
 Circuits (maximum) 4
 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-4030-04A102
-----------------	---------------

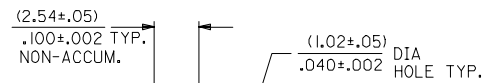
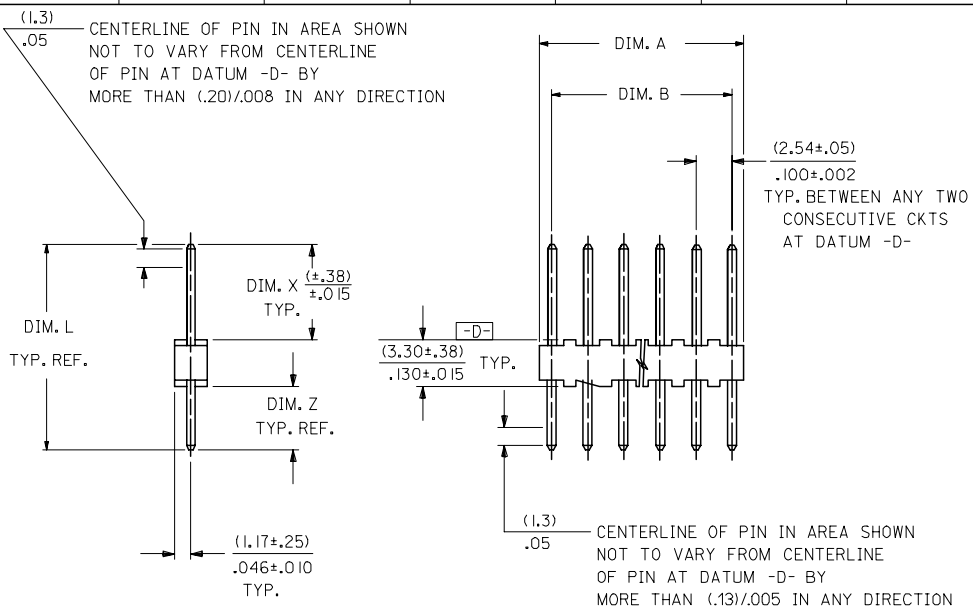
Reference - Drawing Numbers

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



RECOMMENDED P.C. BOARD HOLE DIMENSIONS

NOTES:

1. MATERIAL: NYLON, UL94V-0, COLOR: WHITE
2. FINISH: 102: 0.00508/0.00200 MIN TIN OVER 0.00254/0.00100 MIN COPPER
501: 0.00051/0.00020 MIN GOLD OVER 0.00076/0.00030 MIN NICKEL
3. PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
4. BULK PACK PER PK-4030-001.
5. PINS MUST CONFORM TO SOLDERABILITY SPECIFICATION SMES-152.
6. PIN PUSH OUT FORCE: 2 LBS. MIN.
7. PARTS ARE STACKABLE END TO END AND SIDE TO SIDE ON (2.54)/.100 CENTERS.
8. SEE SDA-4030-002 FOR CUSTOMER DEFINED OPTIONS.
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

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
SHI REV.

UPDATE NOTES EC NO: UCP2008-0017 DRAWN: ADERR 2007/10/11 CHKD: LSCHMI DT 2007/10/11 APPR: FSM TH 2007/10/12	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2°	mm INCH ± --- ± --- ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY SAMIEC	DATE 1988/06/10	CHECKED BY PATEL	DATE 1988/06/10	KK HEADER (2.54)/.100 CENTERS STD CATALOG PRODUCTS	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MOLEX MOLEX INCORPORATED		SDA-4030	
		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		1 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

12 11 10 9 8 7 6 5 4 3 2 1

13	12	11	10	9	8	7	6	5	4	3	2	1
ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	PACKAGE PER	EDP NO. IN COL NO						
A-4030 -NA(102)	2766 -I(102)	.560 (14.22)	.295 (7.49)	.135 (3.43)	PK-4030-001 BULK	1						
A-4030 -NA(50 I)	2766 -I(50 I)	.560 (14.22)	.295 (7.49)	.135 (3.43)	PK-4030-001 BULK	2						
A- -	-	()	()	()								
A- -	-	()	()	()								
A- -	-	()	()	()								
A- -	-	()	()	()								

COLUMN NO. 1						COLUMN NO. 2					
EDP NO.	ENG. NO.	NO OF CKTS	EDP NO.	ENG. NO.	NO OF CKTS	EDP NO.	ENG. NO.	NO OF CKTS	EDP NO.	ENG. NO.	NO OF CKTS
22-03-202 I	A-4030-02A(102)	2	22-10-202 I	A-4030-02A(50 I)	2						
22-03-203 I	A-4030-03A(102)	3	22-10-203 I	A-4030-03A(50 I)	3						
22-03-204 I	A-4030-04A(102)	4	22-10-204 I	A-4030-04A(50 I)	4						
22-03-205 I	A-4030-05A(102)	5	22-10-205 I	A-4030-05A(50 I)	5						
22-03-206 I	A-4030-06A(102)	6	22-10-206 I	A-4030-06A(50 I)	6						
22-03-207 I	A-4030-07A(102)	7	22-10-207 I	A-4030-07A(50 I)	7						
22-03-208 I	A-4030-08A(102)	8	22-10-208 I	A-4030-08A(50 I)	8						
22-03-209 I	A-4030-09A(102)	9	22-10-209 I	A-4030-09A(50 I)	9						
22-03-210 I	A-4030-10A(102)	10	22-10-210 I	A-4030-10A(50 I)	10						
22-03-211 I	A-4030-11A(102)	11	22-10-211 I	A-4030-11A(50 I)	11						
22-03-212 I	A-4030-12A(102)	12	22-10-212 I	A-4030-12A(50 I)	12						
22-03-213 I	A-4030-13A(102)	13	22-10-213 I	A-4030-13A(50 I)	13						
22-03-214 I	A-4030-14A(102)	14	22-10-214 I	A-4030-14A(50 I)	14						
22-03-215 I	A-4030-15A(102)	15	22-10-215 I	A-4030-15A(50 I)	15						
22-03-216 I	A-4030-16A(102)	16	22-10-216 I	A-4030-16A(50 I)	16						
22-03-217 I	A-4030-17A(102)	17	22-10-217 I	A-4030-17A(50 I)	17						
22-03-218 I	A-4030-18A(102)	18	22-10-218 I	A-4030-18A(50 I)	18						
22-03-219 I	A-4030-19A(102)	19	22-10-219 I	A-4030-19A(50 I)	19						
22-03-220 I	A-4030-20A(102)	20	22-10-220 I	A-4030-20A(50 I)	20						
22-03-221 I	A-4030-21A(102)	21	22-10-221 I	A-4030-21A(50 I)	21						
22-03-222 I	A-4030-22A(102)	22	22-10-222 I	A-4030-22A(50 I)	22						
22-03-223 I	A-4030-23A(102)	23	22-10-223 I	A-4030-23A(50 I)	23						
22-03-224 I	A-4030-24A(102)	24	22-10-224 I	A-4030-24A(50 I)	24						
22-03-225 I	A-4030-25A(102)	25	22-10-225 I	A-4030-25A(50 I)	25						
22-03-226 I	A-4030-26A(102)	26	22-10-226 I	A-4030-26A(50 I)	26						
22-03-227 I	A-4030-27A(102)	27	22-10-227 I	A-4030-27A(50 I)	27						
22-03-228 I	A-4030-28A(102)	28	22-10-228 I	A-4030-28A(50 I)	28						

UPDATE TITLE BLOCK EC NO: UCP2008-0017 2007/10/11 DRW:ADERR CHKD:LSCHMIDT 2007/10/11 APPR:FSM LTH 2007/10/12	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	TITLE KK HEADER (2.54)/.100 CENTERS STD CATALOG PRODUCTS			
		ANGULAR ±1/2°		CHECKED BY PATEL	DATE 1993/07/15	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY LENZ	DATE 1993/07/15	MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-4030	SHEET NO. 2 OF 2	