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Part Number: [0022102041](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Wire-to-Board Header, Single Row, Vertical, 4 Circuits, PA Polyamide Nylon, Gold (Au) Plating

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

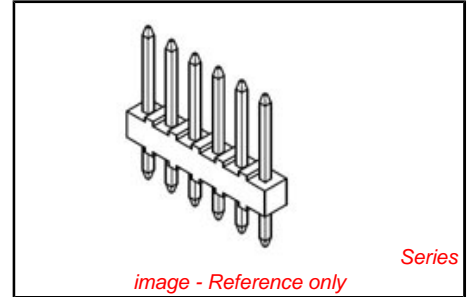
Product Family	PCB Headers
Series	4030
Application	Board-to-Board, Wire-to-Board
Product Name	KK®

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural (White)
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 - 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)	20
Plating min: Mating (µm)	0.50
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



<p>EU RoHS ELV and RoHS Compliant REACH SVHC Not Reviewed Halogen-Free Status Halogen-Free</p>	<p>China RoHS</p>
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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

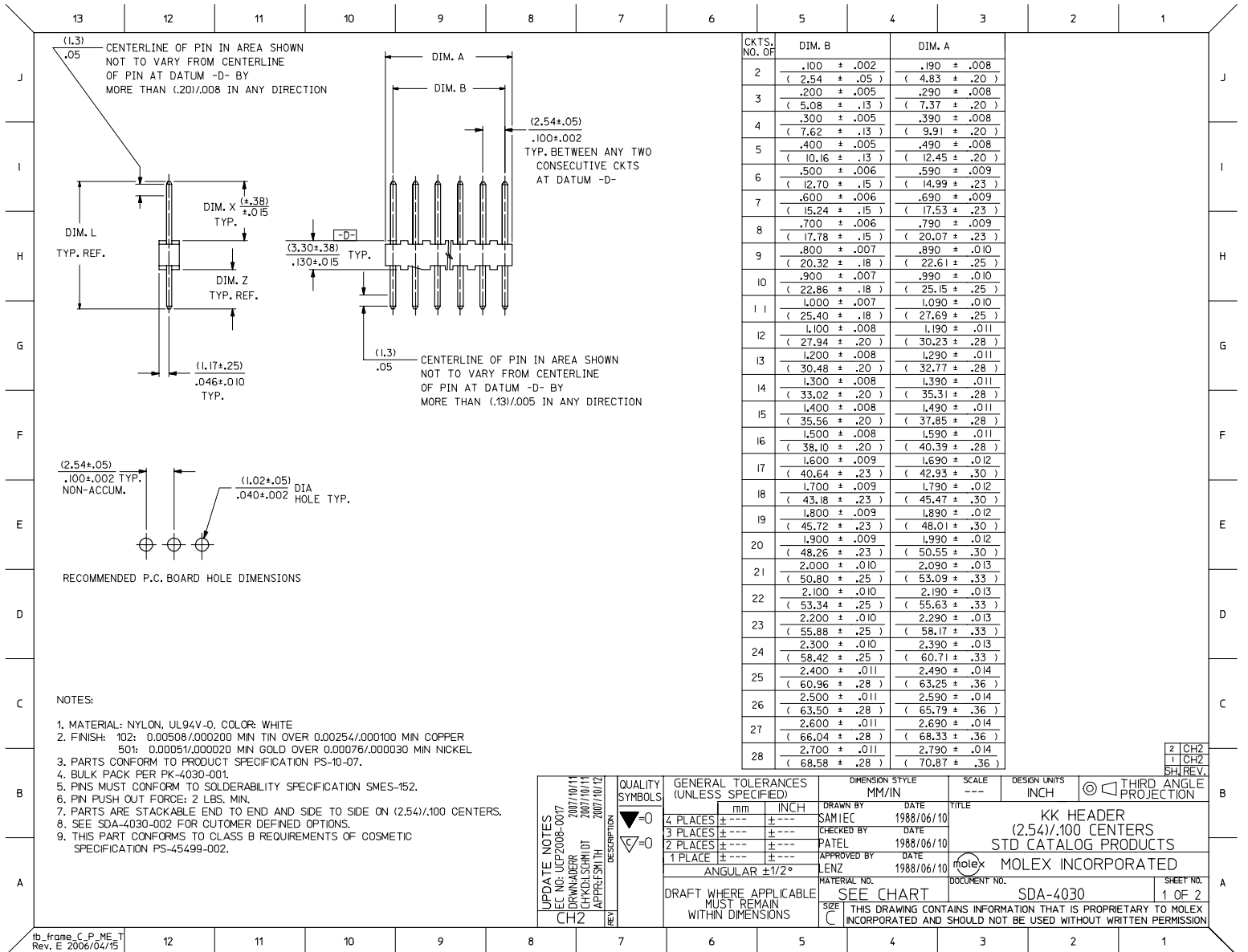
Old Part Number	A-4030-04A501
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Reference - Drawing Numbers

Product Specification	PS-10-07
Sales Drawing	SDA-4030

This document was generated on 04/09/2010

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- NOTES:**
1. MATERIAL: NYLON, UL94V-0, COLOR: WHITE
 2. FINISH: 102: 0.00508/0.00200 MIN TIN OVER 0.00254/0.00100 MIN COPPER
504: 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.

UPDATE NOTES DEC NO: UCP2008-0017 DRAWN BY: ZORWADER 2007/10/11 CHECKED BY: CHAKRABORTI 2007/10/11 APPROVED BY: APPRELSMITH 2007/10/11 REV DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	<input checked="" type="checkbox"/> THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	DRAWN BY: SAMIEC DATE: 1988/06/10 CHECKED BY: DATE: APPROVED BY: PATEL DATE: 1988/06/10 LENZ DATE: 1988/06/10	TITLE KK HEADER (2.54)/.100 CENTERS STD CATALOG PRODUCTS			MOLEX INCORPORATED	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-4030		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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 -K(102)	.560 (14,22)	.295 (7,49)	.135 (3,43)	PK-4030-001 BULK	1
A-4030 -NA(50 I)	2766 -K(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 SLOTS	EDP NO.	ENG. NO.	NO OF SLOTS
22-03-202I	A-4030-02A(102)	2	22-10-202I	A-4030-02A(50 I)	2
22-03-203I	A-4030-03A(102)	3	22-10-203I	A-4030-03A(50 I)	3
22-03-204I	A-4030-04A(102)	4	22-10-204I	A-4030-04A(50 I)	4
22-03-205I	A-4030-05A(102)	5	22-10-205I	A-4030-05A(50 I)	5
22-03-206I	A-4030-06A(102)	6	22-10-206I	A-4030-06A(50 I)	6
22-03-207I	A-4030-07A(102)	7	22-10-207I	A-4030-07A(50 I)	7
22-03-208I	A-4030-08A(102)	8	22-10-208I	A-4030-08A(50 I)	8
22-03-209I	A-4030-09A(102)	9	22-10-209I	A-4030-09A(50 I)	9
22-03-210I	A-4030-10A(102)	10	22-10-210I	A-4030-10A(50 I)	10
22-03-211I	A-4030-11A(102)	11	22-10-211I	A-4030-11A(50 I)	11
22-03-212I	A-4030-12A(102)	12	22-10-212I	A-4030-12A(50 I)	12
22-03-213I	A-4030-13A(102)	13	22-10-213I	A-4030-13A(50 I)	13
22-03-214I	A-4030-14A(102)	14	22-10-214I	A-4030-14A(50 I)	14
22-03-215I	A-4030-15A(102)	15	22-10-215I	A-4030-15A(50 I)	15
22-03-216I	A-4030-16A(102)	16	22-10-216I	A-4030-16A(50 I)	16
22-03-217I	A-4030-17A(102)	17	22-10-217I	A-4030-17A(50 I)	17
22-03-218I	A-4030-18A(102)	18	22-10-218I	A-4030-18A(50 I)	18
22-03-219I	A-4030-19A(102)	19	22-10-219I	A-4030-19A(50 I)	19
22-03-220I	A-4030-20A(102)	20	22-10-220I	A-4030-20A(50 I)	20
22-03-221I	A-4030-21A(102)	21	22-10-221I	A-4030-21A(50 I)	21
22-03-222I	A-4030-22A(102)	22	22-10-222I	A-4030-22A(50 I)	22
22-03-223I	A-4030-23A(102)	23	22-10-223I	A-4030-23A(50 I)	23
22-03-224I	A-4030-24A(102)	24	22-10-224I	A-4030-24A(50 I)	24
22-03-225I	A-4030-25A(102)	25	22-10-225I	A-4030-25A(50 I)	25
22-03-226I	A-4030-26A(102)	26	22-10-226I	A-4030-26A(50 I)	26
22-03-227I	A-4030-27A(102)	27	22-10-227I	A-4030-27A(50 I)	27
22-03-228I	A-4030-28A(102)	28	22-10-228I	A-4030-28A(50 I)	28

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

UPDATE TITLE BLOCK DEC NO. UCP2008-0077 2007/10/11 DRAWN BY: CHKOLSCHMIDT 2007/10/11 APPR: SMITH 2007/10/12	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE --- INCH	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ±--- ±---	mm	INCH	DRAWN BY	DATE	TITLE		
		3 PLACES ±--- ±---			SAMIEC	1993/07/15	KK HEADER		
		2 PLACES ±--- ±---			CHECKED BY	DATE	(2.54)/100 CENTERS		
1 PLACE ±--- ±---			PATEL	1993/07/15	STD CATALOG PRODUCTS				
			ANGULAR ±1/2°		APPROVED BY	DATE	MOLEX INCORPORATED		
					LENZ	1993/07/15			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
			SEE CHART				2 OF 2		
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					SDA-4030				

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