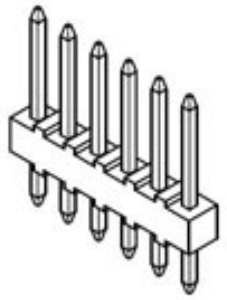
This document was generated on 05/13/2010

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Part Number: 0022032201

Status: Active

Description: 2.54mm (.100") Pitch KK® Wire-to-Board Header, Single Row, Vertical, 20 Circuits, PA Polyamide Nylon, Tin (Sn) Plating



Series image - Reference only

Documents:

3D Model
Packaging Specification (PDF)
Drawing (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
Product Name	KK®

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
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

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

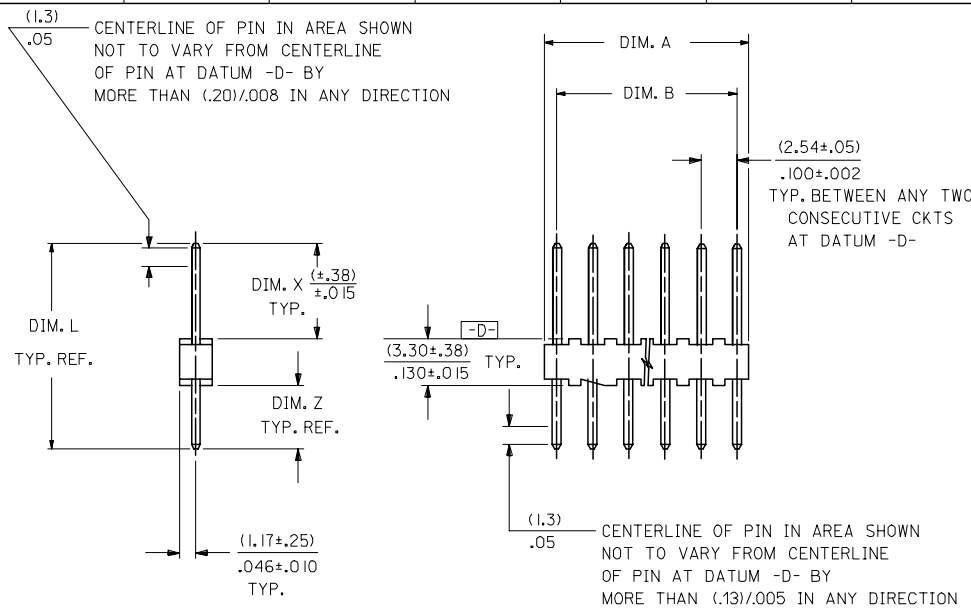
Old Part Number	A-4030-20A102

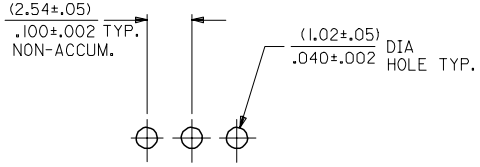
Reference - Drawing Numbers

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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RECOMMENDED P.C. BOARD HOLE DIMENSIONS

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)

NOTES:

1. MATERIAL: NYLON, UL94V-0, COLOR: WHITE
2. FINISH: 102: 0.00508/.000200 MIN TIN OVER 0.00254/.000100 MIN COPPER
   501: 0.00051/.000020 MIN GOLD OVER 0.00076/.000030 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 CUTOMER DEFINED OPTIONS.
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
   SPECIFICATION PS-45499-002.

UPDATE NOTES
EC NO: UCP2008-0017 2007/10/11
DRWN:ADERR 2007/10/11
CH'KD:LSCHMIDT 2007/10/12
APPR:FSMITH
DESCRIPTION
REV
CH2

QUALITY SYMBOLS
▼=0
▽=0

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
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

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

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

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-4030
SHEET NO.: 1 OF 2

SIZE C

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

SH.	REV.
2	CH2
1	CH2

ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	PACKAGE PER	EDP NO. IN COL NO
A-4030 -NA(102)	2766 -1(102)	.560 (14.22)	.295 (7.49)	.135 (3.43)	PK-4030-001 BULK	1
A-4030 -NA(501)	2766 -1(501)	.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
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
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
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
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
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
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
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
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
22-03-2281	A-4030-28A(102)	28	22-10-2281	A-4030-28A(501)	28

UPDATE TITLE BLOCK
EC NO: UCP2008-0017 2007/10/11
DRWN:ADERR 2007/10/11
CHKD:LSCHMIDT 2007/10/12
APPR:FSMITH
DESCRIPTION
CH2
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: SAMIEC DATE: 1993/07/15
CHECKED BY: PATEL DATE: 1993/07/15
APPROVED BY: LENZ DATE: 1993/07/15

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

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-4030
SHEET NO.: 2 OF 2
SIZE: C

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