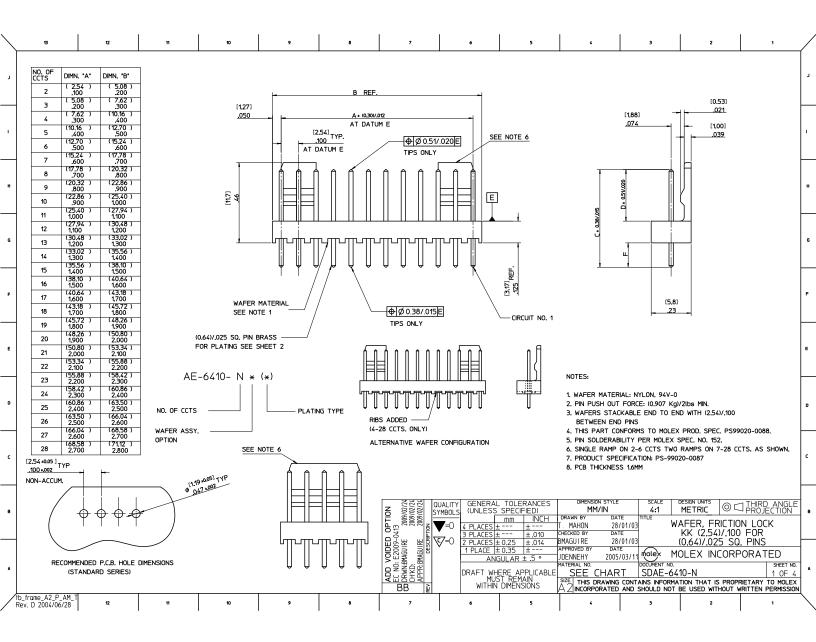


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		CR WWW.MOLLA.COM TOR LATEST TAR	
Part Number:	0022292031		
Status:			
	Active		
Overview:	<u>kk</u>		
Description:	2.54mm (.100") Pitch	KK® Wire-to-Board Header, Vertical, with Friction Lock, 3	
	Circuits, Gold (Au) Pla	ating	
Documents:			
<u>3D Model</u>		Product Specification PS-99020-0088 (PDF) RoHS Certificate of Compliance (PDF)	
Drawing (PDF) Product Specificat	tion PS-10-07 (PDF)	ROPS Certificate of Compliance (PDP)	Series
Floudet Specifica	<u>IIIIFS-10-07 (FDF)</u>		image - Reference only
Agency Certif	ication		
CSA	ication	LR19980	EU RoHS China RoHS
UL		E29179	ELV and RoHS
02		223113	Compliant
General			REACH SVHC
Product Family		PCB Headers	Not Reviewed
Series		<u>6410</u>	Halogen-Free
Application		Wire-to-Board	<u>Status</u>
Overview		<u>kk</u>	Halogen-Free
Product Name		KK®	Need more information on product
Physical			environmental compliance?
Breakaway		No	Email productcompliance@molex.com
Circuits (Loaded)		3	For a multiple part number RoHS Certificate of
Circuits (maximun	n)	3	Compliance, <u>click here</u>
Color - Resin	,	Natural (White)	
First Mate / Last E	Break	No	Please visit the Contact Us section for any
Flammability		94V-0	non-product compliance questions.
Glow-Wire Compl	liant	No	
Guide to Mating P	Part	No	
Keying to Mating		None	
Lock to Mating Pa	art	Yes	Search Parts in this Series
Material - Metal		Brass	<u>6410</u> Series
Material - Plating		Gold	
Material - Plating	lermination	Gold	Mates With
Material - Resin		Nylon	KK® Crimp Terminal Housing 2695, 6471
Number of Rows Orientation		1 Vertical	
PC Tail Length (in	n)	0.140 ln	
PC Tail Length (m		3.56 mm	
PCB Locator	,	No	
PCB Retention		None	
PCB Thickness R	ecommended (in)	0.063 In	
PCB Thickness R	ecommended (mm)	1.60 mm	
Packaging Type		Bag	
Pitch - Mating Inte		0.100 ln	
Pitch - Mating Inte		2.54 mm	
Pitch - Term. Inter		0.100 ln	
Pitch - Term. Inter		2.54 mm	
Plating min: Matin		20	
Plating min: Matin Plating min: Term		0.5 20	
Plating min: Term		0.5	
Polarized to Matin		Yes	
Polarized to PCB	ig i uit	No	

Shrouded Stackable Surface Mount Compatible (SMC) Temperature Range - Operating Termination Interface: Style	Partial No № to +75°C Through Hole
Electrical Current - Maximum per Contact Voltage - Maximum	4A 250V
Solder Process Data Duration at Max. Process Temperature (seconds) Lead-free Process Capability Max. Cycles at Max. Process Temperature Process Temperature max. C	5 Wave Capable (TH only) 1 230
Material Info Old Part Number	AE-6410-03A(501)
Reference - Drawing Numbers Packaging Specification Product Specification Sales Drawing	PK-6373-001 PS-10-07, PS-99020-0088 SDAE-6410-N

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			ENG. NO.	AE-6410-NA (102)	AE-6410-NC		AE-6410-ND (102) (8.05 ±0.25)	AE-6410-NH (102))(7,49 ±0.25)	AE-6410-NJ		-6410-NL (102) 8,50 ±0.38)	-	
			DIMN, "C"	.295 ±.010 (14.22)/.560	.281 ±.	.010	.317 ±.010 (14.22)/.560	.295 ±.010 (14.98)/.590	.740 ±.05 (25.40)/1.00	;	.335 ±.015 23.80) / .937	-	
'			DIMN. "F"	(3.56)/.140 REF	- (10.00)/ .3	94 REF (2.99) .118 REF	(4.32)/ .170 REF	(3.43)/ .135	REF (12.1	3)/.477 REF	-	
			PLATING	TIN MIN. (0.005)/.0002	TIN MIN (0.005)/.000	02	TIN MIN. (0.005)/.0002	TIN MIN. (0.005)/.0002	TIN MIN. (0.005)/.0002	(0.0	TIN MIN. 05)/.0002	1	
				0VER (0.0025)/.0001 COPPER MIN.	0VER (0,0025)/,000 COPPER	1 (MIN.	OVER (0.0025)/.0001 COPPER MIN.	0VER (0,0025)/,0001 COPPER MIN.	0VER (0,0025)/,0001 COPPER MIN	N. 1	OVER 025)/,0001 COPPER MIN.		
"			2	AE-6410- 2A(102) 22-27-20 3 A(102) 4 20	21 AE-6410- 201020 30 031 3 C(102)	8-00-6292	AE-6410- 20(102) 38-00-5882 3 D(102) 4 5883	AE-6410- 2H(102) 38-00-6754 3 H(102) NOT TOOLED	AE-6410- 2,(102) NOT	TTOOLED AE-	5410- 2L(102) NOT TOOLED (102) ↓	-	
			4	4 A(102) 20	041 4 C(102) 051 5 C(102)	6294 4	4 D(102) 5884	4 H(102) 22-27-2046 5 H(102) NOT TOOLED	4 J(102) NOT	TTOOLED L	(102)	-	
			6 7	6 A(102) 20	061 6 C(102) 071 7 C(102)	6296 6 6297 7	6 D(102) 5886	6 H(102) 4 7 H(102)	6 J(102) NOT	TTOOLED L	(102)	-	
G			8	8 A(102) 20	081 8 C(102) 091 9 C(102)	6298 8 6299 9	8 D(102) 5888	8 H(102) 9 H(102)	8 J(102) 22-:	27-2087 L	(102)	-	
			10 11	10 A(102) 2'	101 10 C(102) 111 11 C(102)	6300 10 6301 11	D(102) 5890	10 H(102) + 11 H(102) NOT TOOLED	10 J(102)	- H L	(102)	-	
			10	12 A(102) 2'	121 12 C(102) 131 13 C(102)	6302 12 6303 13	2 D(102) 5892	12 H(102) 22-27-2126 13 H(102) NOT TOOLED	12 J(102)	U	(102)	-	
_			<u>2</u> 14	14 A(102) 2'	141 14 C(102)	6304 14	D(102) 5894	14 H(102)	14 J(102)	U	(102) NOT TOOLED	-	
			법 <u>16</u>	16 A(102) 2'	151 15 C(102) 161 16 C(102)	6305 15 6306 16	5 D(102) 5896	15 H(102) 16 H(102)	15 J(102) 16 J(102)	U	(102) 38-00-1736 (102) NOT TOOLED	-	
			9 <u>17</u> 18	18 A(102) 2'	171 17 C(102) 181 18 C(102)	6307 17 6308 18	3 D(102) 5898	17 H(102) 18 H(102)	17 J(102) 18 J(102)	U	(102)	-	
			19 20	20 A(102) 22		* 6309 19 8-00-6310 20	0 D(102) 5900	19 H(102) 20 H(102)	19 J(102) 20 J(102)	U	(102)	-	
E			21 22	22 A(102) 22	221 22 C(102)		2 D(102) 5902	21 H(102) 22 H(102)	21 J(102) 22 J(102)	U	(102)	-	
			23 24	24 A(102) 22	231 23 C(102) 241 24 C(102)	24	4 D(102) 5904	23 H(102) 24 H(102)	23 J(102) 24 J(102)	U	(102)	-	
			25 26	26 A(102) 22	251 25 C(102) 261 26 C(102)	26	6 D(102) 5906	25 H(102) 26 H(102)	25 J(102) 26 J(102)	- U	(102)	-	
D			27 28	27 A(102) ¥ 22 AE-6410- 28A(102) 22-27-22	271 27 C(102) 81 AE-6410- 28C(102) N	TTOOLED	7 D(102) ¥ 5907 AE-6410- 28D(102) 38-00-5908	27 H(102) ¥ AE-6410- 28H(102) NOT TOOLED	27 J(102) AE-6410- 28J(102) NOT		(102) ¥ 5410- 8L(102) NOT TOOLED	1	
_													
۲I													
							77.75	QUALITY GENERAL TO	DLERANCES	DIMENSION ST		DESIGN UNITS	
в							09/02 09/02	SYMBOLS (UNLESS SPI	ECIFIED) n INCH P		A:1		
							0413 20 20 20 20	▼=0 <u>4 PLACES ±</u> 3 PLACES ±	- ±.010 CHI	ECKED BY	DATE	WAFER, FRICT KK (2.54)/.10	DO FOR
							HEET 2009- GUIRE DESCR	✓=0 2 PLACES ± 0.2 1 PLACE ± 0.3	5 ± AP	PROVED BY I	28/01/03	<u>(0.64)/.025 S</u> 40LEX INCOR	
							SEE SHEET 1 EE NO: E2009-0413 SORWNBMAUIRE 201 CHYCD: 201 CHYCD: 201 APPR.BMGUIRE 201 Descretion		-(T(= 12)	TERIAL NO.	DOCUMENT NO.	•	SHEET NO.
								DRAFT WHERE MUST F WITHIN DIM	EMAIN		NG CONTAINS INFORM	ATION THAT IS PRO	2 OF 4 OPRIETARY TO MOLEX
	o_frame_A2_P_AM_T lev. D 2004/06/28	12	11	10	9	8		6	5 A		BU ANU SHUULU NOT	2	WRITTEN PERMISSION
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L	L	ENG. NO.	AE-6410-N	A (501) AE-6	410-NA (516)	AE-6410-NK (516)	AE-6410-NC (501)	AE-6410-NA (509)	AE-6410-NS (501)	AE-6410-NA (503)] ['
		DIMN. "D"	(7.50 .295	±0.25) (±.010 .2	7.50 ±0.25) 95 ±.010	(9.22) REF	(7,14 ± 0.25) .281 ±.010	(7.50 ±0.25) .295 ±.010	(7.50 ±0.25) .295 ±.010	(7.50 ±0.25) .295 ±.010	
		DIMN, "C"	(14.22)/	.560 (14.	22) /560	(15.88)/625	(20.32)/.800	(14.22)/560	(16.51) <i>6</i> 649	(14.22)/.560	
		DIMN. "F"	(3.56)/		5)/.140 REF	(3.48 \0.25) .137 \010	(10.00)/.394 REF	(3.56)/ .140 REF	(5.84)/.230 REF	(3.56)/.140 REF	
		PLATING	GOLD 1 (0.0005)/.0 OV (0.00076)/.0	00020 (0.000 ER	iold Min. 25)/.000010 OVER 076)/.000030	GOLD MIN. (0.00025)/.000010 OVER (0.00076)/.000030	GOLD MIN. (0,00051)/,000020 OVER (0,00076)/,000030	GOLD MIN. (0.00127)/.000050 OVER (0.00076)/.000030	GOLD MIN. (0.0005)/.000020 OVER (0.00076)/.000030	GOLD MIN. (0.00076)/.000030 OVER (0.00127)/.000050	
			NICKEL	_ MIN. 1	NICKEL MIN,	NICKEL MIN.	NICKEL MIN.	NICKEL MIN.	NICKEL MIN.	NICKEL MIN.	
		2	AE-6410- 2A(501) 3 A(501)	22-29-2021 AE-64 2031 3 A(5	0- (516) 22-29-2022 16) 1 2032	AE-6410- 2K(516) 38-00-0932 3 K(516) 4 093	AE-6410- 20501 NOT TOOLED 3 3 C(501) 38-00-5909	AE-6410- 2A(509) 38-00-7250 3 A(509) NOT TOOLED	NOT TOOLE	D AE-6410- 2A(503) 38-00-7062 D 3 A(503) 7063	
		4	4 A(501)	2041 4 A(5	16) 2042	4 K(516) 093	4 4 C(501) NOT TOOLED	4 A(509) 38-00-7251	AE-6410- 45(501) 38-00-7666	4 A 🛔 7064	- "
		5	5 A(501) 6 A(501)	2051 5 A(5 2061 6 A(5	16) 2062	6 K(516) 093	5 5 C(501) 6 6 C(501)	5 A(509) NOT TOOLED 6 A(509)	6 S(501) 38-00-7667	6 A 7066	
		7	7 A(501) 8 A(501)	2071 7 A(5 2081 8 A(5			7 7 C(501) 8 8 C(501)	7 A(509) 8 A(509)	NOT TOOLEI	D 7 A ¥ 7067 8 A 38-00-7068	-
G		9	9 A(501)	2091 9 A(5	16) 2092	9 K(516) 093	9 9 C(501)	9 A(509)		9 A NOT TOOLED	6
Ğ		10	10 A(501) 11 A(501)	2101 10 A(5 2111 11 A(5			0 10 C(501) 1 11 C(501)	10 A(509) 11 A(509)		10 A NOT TOOLED 11 A NOT TOOLED	
		S 12 13	12 A(501) 13 A(501)	2121 12 A(5 2131 13 A(5			2 12 C(501) 3 13 C(501)	12 A(509) 13 A(509)		12 A 38-00-7072 13 A NOT TOOLED	
		윤 14	14 A(501)	2141 14 A(5	16) 2142	14 K(516) 094	4 14 C(501)	14 A(509)		14 A 38-00-7074	
		U 15 Ho 16	15 A(501) 16 A(501)	2151 15 A(5 2161 16 A(5			5 15 C(501) 6 16 C(501)	15 A(509) 16 A(509)		15 A NOT TOOLED	
۴		o 17	17 A(501)	2171 17 A(5	16) 2172	17 K(516) 094	7 17 C(501)	17 A(509)		17 A	
		Z <u>18</u> 19	18 A(501) 19 A(501)	2181 18 A(5 2191 19 A(5			8 18 C(501) 9 19 C(501)	18 A(509) 19 A(509)		18 A ¥ 19 A NOT TOOLED	-
		20	20 A(501) 21 A(501)	2201 20 A(5 2211 21 A(5			0 20 C(501) 1 21 C(501)	20 A(509) 21 A(509)		20 A 38-00-7080 21 A NOT TOOLED	
		22	22 A(501)	2221 22 A(5	16) 2222	22 K(516) 095	2 22 C(501)	22 A(509)		22 A NOT TOOLED	
E		23	23 A(501) 24 A(501)	2231 23 A(5 2241 24 A(5			3 23 C(501) 4 24 C(501)	23 A(509) 24 A(509)		23 A NOT TOOLED 24 A 38-00-0441	E
		25	25 A(501)	2251 25 A(5	16) 2252	25 K(516) 095	5 25 C(501)	25 A(509)		25 A NOT TOOLED	
		26	26 A(501) 27 A(501)	2261 26 A(5 2271 27 A(5	16) 7 2272	27 K(516) 🕴 095	6 26 C(501) 7 27 C(501)	26 A(509) 27 A(509)	+	26 A V 4 27 A(503) V	
		28	AE-6410- 28A(501)	22-29-2281 AE-64	0- (516) 22-29-2282	AE-6410- 28K(516) 38-00-0958	AE-6410- 28C(501) NOT TOOLED	AE-6410- 28A(509) NOT TOOLED	NOT TOOLE	D 4E-6410- 28A(503) NOT TOOLED] [
D											D
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						Г	호호호 QUALITY G	ENERAL TOLERANCES	DIMENSION STYLE	SCALE DESIGN UNITS	
в							SSS SYMBOLS (JNLESS SPECIFIED)	MM/IN DRAWN BY DATE	4:1 METRIC	© ⊂ THIRD ANGLE PROJECTION B
								mm INCH	T. MAHON 28/01/0	03 WAFER, FI	RICTION LOCK
							- 3 w w w w w w w w w w w	PLACES ± ±.010 PLACES ± 0.25 ±.014	CHECKED BY DATE BMAGUIRE 28/01/0		25 SQ, PINS
							BMAGUII BMAGUII	PLACE ± 0.35 ± ANGULAR ± .5 °	APPROVED BY DATE JDENNEHY 2005/03/		CORPORATED
									MATERIAL NO.	DOCUMENT NO. SDAE-6410-N	SHEET NO.
						l		AFT WHERE APPLICABL MUST REMAIN WITHIN DIMENSIONS	E SEE CHART	ITAINS INFORMATION THAT I	3 OF 4 S PROPRIETARY TO MOLEX THOUT WRITTEN PERMISSION
	b_frame_A2_P_AM_T				1	l	BB 🔛			D SHOULD NOT BE USED WI	THOUT WRITTEN PERMISSION
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F		PART N			VOIDED		DIM B	DIM D			F
		38-00-72 474	-		2 3	(5.08 ±0.10) /.200 ±.004 (7.62 ±0.13) /.300 ±.005	(7.62)/.300	(7.50)/.29	5		
		061		5	3	(10.16 ±0.13) /.400 ±.005 (12.70 ±0.13) /.500 ±.005	(12.70)/.500	(7.50)/.29			
E		009			3,4,5	(12.70 ±0.13) /.500 ±.005	(15.24)/.600	(7.50)/.29			E
		537 537			2	(35.56 ±0.13) /1.400 ±.005		(7.50)/.295			
		768			12 9	(45.72 ±0.15) /1.800 ±.006 (27.94 ±0.13) /1.100 ±.005	(48.26)/1.900	(7.50)/.295			\vdash
D											D
с											С
в]			DIMENSION STYLE MM/IN	SCALE 4.1		THIRD ANGL	B
A					ADD VOIDED OP TION BB EC NO: E2009-0473 CHYLO: 2009/02724 APPR: BMGUIRE 2009/02724 APPR: BMGUIRE 2009/02724 APPR: BMGUIRE 2009/02724 DESCRIPTION DESCRIPTION	mm INCH 4 PLACES ± ± 3 PLACES ± ± 010	DRAWN BY DA T. MAHON 28 CHECKED BY DA BMAGUIRE 28 APPROVED BY DA JDENNEHY 2005 MATERIAL NO. SEE TABL	TE 101/03 TE 101/03 101/03 103/11 DOCUMENT NO.	WAFER, FRIC KK (2.54)/. (0.64)/.025 MOLEX INCC	TION LOCK 100 FOR SQ. PINS IRPORATED	A
tb_fra Rev. E	me_A3_P_AM_T E 2006/04/15	9	8	7	6	5		3	2		<u> </u>