

This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

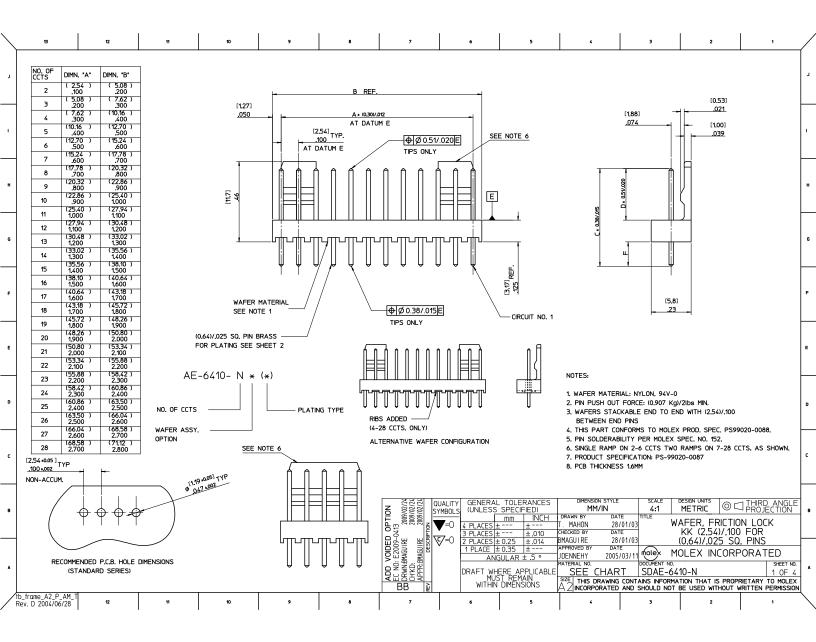
[I LEAGE ONE	CR WWW.WOLLX.COW FOR LATEST FA	
Part Number:	0022292131		
Status:	Active		1
			la l
Overview:	<u>kk</u> 0.54mm (400%) Ditab	KK® Wins to Depend Handen Martinel with Evisting Last, 40	
Description:	Circuits, Gold (Au) Pla	KK® Wire-to-Board Header, Vertical, with Friction Lock, 13	
Documents:			
3D Model		Product Specification PS-99020-0088 (PDF)	The second secon
Drawing (PDF)		RoHS Certificate of Compliance (PDF)	** b
	ion PS-10-07 (PDF)		
	· · · · ·		image - Reference only
Agency Certifi	cation		
CSA		LR19980	EU RoHS China RoHS
UL		E29179	ELV and RoHS
			Compliant
General			REACH SVHC
Product Family		PCB Headers	Not Reviewed
Series		<u>6410</u>	Halogen-Free
Application		Wire-to-Board	Status
Overview Product Name		<u>kk</u> KK®	Halogen-Free
FIDOUCLINAME			Need more information on product environmental compliance?
Physical			environmental compliance:
Breakaway		No	Email productcompliance@molex.com
Circuits (Loaded)		13	For a multiple part number RoHS Certificate of
Circuits (maximum	n)	13	Compliance, <u>click here</u>
Color - Resin		Natural (White)	Please visit the Contact Us section for any
First Mate / Last Br	reak	No	non-product compliance questions.
Flammability		94V-0	
Glow-Wire Complia		No	
Guide to Mating Pa Keying to Mating P		No	
Lock to Mating Par		None Yes	Search Parts in this Series
Material - Metal		Brass	<u>6410</u> Series
Material - Plating M	Mating	Gold	
Material - Plating T		Gold	Mates With
Material - Resin		Nylon	KK® Crimp Terminal Housing 2695, 6471
Number of Rows		1	
Orientation		Vertical	
PC Tail Length (in)		0.140 In	
PC Tail Length (mr	m)	3.56 mm	
PCB Locator		No	
PCB Retention	commanded (in)	None	
PCB Thickness Re	ecommended (In) ecommended (mm)	0.063 ln 1.60 mm	
PCB Trickness Re Packaging Type		Bag	
Pitch - Mating Inter	rface (in)	0.100 ln	
Pitch - Mating Inter		2.54 mm	
Pitch - Term. Interf		0.100 ln	
Pitch - Term. Interf	· · /	2.54 mm	
Plating min: Mating		20	
Plating min: Mating		0.5	
Plating min: Termin		20	
Plating min: Termir		0.5	
Polarized to Mating	g Part	Yes	
Polarized to PCB		No	

I	Shrouded	Partial	
	Stackable	No	
	Surface Mount Compatible (SMC)	No	
	Temperature Range - Operating	0°C to +75°C	
	Termination Interface: Style	Through Hole	
	Electrical		
		4.0	
	Current - Maximum per Contact	4A	
	Voltage - Maximum	250V	
	Solder Process Data		
	Lead-free Process Capability	Wave Capable (TH only)	
	Material Info		
	Old Part Number	AE-6410-13A(501)	
	Reference - Drawing Numbers		
	Packaging Specification	PK-6373-001	
	Product Specification	PS-10-07, PS-99020-0088	

Sales Drawing

This document was generated on 05/24/2010 PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

SDAE-6410-N



19	12		11	10		9		8	7		6		5	4		3		2	1
		E	NG. NO.	AE-6410-NA	(102)	AE-6410-N	C (102)	AE-64	10-ND (102	AE-	5410-NH ((102)	AE-6410-	NJ (102)	AE-6410	-NL (102)		
		D	IMN. "D"	(7.50 ±0 .295 ±.0	25) 10	(7.14 .281		(8. .31	05 ±0.25) 7 ±.010	х	7.49 ±0.25 .295 ±.010	;)	(18.80 .740	±0.38 ±.015	(8.50 .335	±0.38) ±.015			
		D	IMN. "C"	(14.22)/	560	(20.32)/	.800	(14.2	2)/ .560	(1	.98)/ .59	90	(25.40)	/ 1.000	(23.80)/.937			
		D	MN. "F"	(3.56)/.14	O REF	(10.00)/.) .118 REF	(4.	2)/.170	REF		.135 REF	(12.13),		F		
		P	LATING	TIN MIN. (0.005)/.000 0VFR	2	TIN MI (0.005)/.0	002	(0.005)	N MIN. /.0002 OVER	(0.0	TIN MIN.)5)/.0002 OVER		TIN 1 (0.005)/.0	002	(0.005)/.0	MIN. 0002			
				(0.0025)/.00 COPPER N		0VE (0,0025)/,00 COPPER	001	(0.0025	075K)/.0001 PER MIN.		25)/.0001 0PPER MIN		(0,0025)/.0 COPPE	001	(0.0025)/.	VER .0001 ER MIN.			
			2		-27-2021		38-00-6292	AE-6410- 2D(%				00-6754		NOT TOOLED			LED		
			3 4	3 A(102) 4 A(102)		3 C(102) 4 C(102)	6293	3 D(102		383 3 H0 384 4 H0				NOT TOOLED	L(102)	+			
			5	5 A(102) 6 A(102)	2051	5 C(102) 6 C(102)	6295	5 D(102	.) 5	85 5 H	02) NOT		5 J(102) 6 J(102)	22-27-2057 NOT TOOLED	L(102)				
			6 7	7 A(102)	2071	7 C(102)	6297	7 D(102	.) 5	887 7 H	02)	1	7 J(102)	NOT TOOLED	L(102)				
			8	8 A(102) 9 A(102)	2091	8 C(102) 9 C(102)	6299	8 D(102 9 D(102	.) 5	388 8 H0 389 9 H0	02)		8 J(102) 9 J(102)	22-27-2087 NOT TOOLED					
			10	10 A(102) 11 A(102)		10 C(102) 11 C(102)		10 D(102		890 10 HO 891 11 HO		TOOLED	10 J(102) 11 J(102)		L(102) L(102)				
		2 L		12 A(102) 13 A(102)	2121	12 C(102) 13 C(102)	6302	12 D(102	:) 5	392 12 HO	02) 22-2	27-2126	12 J(102) 13 J(102)		L(102) L(102)				
		CIRCUITS	14	14 A(102)	2141	14 C(102)	6304	14 D(102	2) 5	894 14 HO	02)		14 J(102)		L(102)	NOT TOC			
		Ľ		15 A(102) 16 A(102)	2161	15 C(102) 16 C(102)	6305	5 15 D(102	2) <u>5</u> 2) 5	895 15 HO 896 16 HO	02)		15 J(102) 16 J(102)		L(102) L(102)	38-00-17 NOT TOC			
		Ş		17 A(102) 18 A(102)	2171	17 C(102) 18 C(102)	6307	17 D(102	.) 5	397 17 HO	02)		17 J(102) 18 J(102)		L(102) L(102)	+			
			19	19 A(102) 20 A(102)	2191	19 C(102)	6309	19 D(102	.) 5	899 19 H(02)		19 J(102) 20 J(102)		L(102) L(102)				
			20 21	21 A(102)	2211	21 C(102)	38-00-6310 NOT TOOLEE) 21 D(102	.) 5	200 20 HO 201 21 HO	02)		21 J(102)		L(102)				
			22 23	22 A(102) 23 A(102)		22 C(102) 23 C(102)	1	22 D(102 23 D(102	9 5	02 22 H	02)		22 J(102) 23 J(102)		L(102) L(102)				
			24 25	24 A(102) 25 A(102)		24 C(102) 25 C(102)		24 D(102 25 D(102) 5) 5	04 24 H	02)	_	24 J(102) 25 J(102)		L(102)				
			26	26 A(102)	2261	26 C(102)		26 D(102 27 D(102	:) 5	06 26 H	02)		26 J(102) 27 J(102)		L(102)				
			27 28	27 A(102) AE-6410- 28A(102) 22	22/1	27 C(102) AE-6410- 28C(102)	NOT TOOLED	27 D(102 AE-6410- 28D(10	2) 38-00-59	007 27 H0 08 AE-6	02) 10- 11(102) NOT	TOOLED		NOT TOOLED		NOT TOC	DLED		
									102/24	QUALI		RAL TO			ION STYLE	SCALI			1 THIRD A PROJECT
									600			mm	n 📃 INCH		DATE	TITLE		R, FRICTIOI	
									0413 22		3 PLAC	ES ± ES ±	+.010	CHECKED BY	28/01 DATE		KK ((2.54)/.100	FOR
									EET 3009-)=V	2 PLAC	ES ± 0.25 E ± 0.35	5 ±.014 5 ±	BMAGUIRE APPROVED BY	28/01 DATE)/.025 SQ.	
									SHI CON EX			ANGULA	∧R±.5°	JDENNEHY MATERIAL NO.	2005/03	DOCUMEN		X INCORP	
									SEE SHEET 1 BEC NO: E2009-0413 BRWN:BMAGUIRE CHYKD: ADDO: AMAGUIRE		DRAFT	WHERE MUST R	APPLICABL EMAIN ENSIONS				E-6410-N	HAT IS PROPR	2
									BB	2	WI	THIN DIME	ENSIONS				NOT RE LISE	ED WITHOUT WI	DITTEN DEDI

	13	12	11	10	1	9		8	I	7		6		5	.	۰	3	2	1	
	l	I					I								-1					
ſ		ENG. NO.	AE-6410-N			NA (516)	AE-6410			AE-6410-	NC (5	i01)	AE-6410-N			IS (501)		-NA (503)		
		DIMN. "D"	(7.50 .295		(7.50 .295	±0.25) ±.010	(9.22 .363	2) RE	F		±0.25) ±.010		(7.50 .295	±0.25) ±.010	(7.50 .295	± 0.25) ±.010	(7.50 .295) ± 0.25) ±.010		
		DIMN, "C"	(14.22)/		(14.22)		(15.88) <i>(</i> 625 \0.25)		(20.32			(14.22)		(16.51),		(14.22			
		DIMN. "F"	(3.56)/ . GOLD M		(3.56)/ GOLD	.140 REF	.137	\.010 D MIN.		(10.00)/. GOLD		REF	(3.56)/ GOLD		(5.84)/ GOLD	.230 REF	(3.56)/	.140 REF		1
		PLATING	(0.0005)/.0 OV	00020 ER	(0.00025)/. OV	.000010 /ER	(0.00025	/.000010 VER		(0.00051)/. OVE	000020 ER		(0.00127)/.0 OV	00050 ER	(0.0005)/.	000020 VER	(0.00076), O\	/.000030 /ER		
_			(0.00076)/.0 NICKEL			EL MIN.		EL MIN.	0	(0.00076)/.0 NICKEL	MIN.		(0.00076)/. NICKE	L MIN.	(0.00076)/. NICKE	EL MIN.	(0.00127)/ NICKEL	_ MIN.		
		2	AE-6410- 2A(501) 3 A(501)	22-29-2021 2031	AE-6410- 2A(516) 3 A(516)	22-29-202	2 AE-6410- 2K(516) 32 3 K(516)		0-0932 0933	AE-6410- 20501) 3 C(501)			AE-6410- 2A(509) 3 A(509)	38-00-7250 NOT TOOLED		NOT TOOLED NOT TOOLED	AE-6410- 2A(503) 3 A(503)	38-00-7062 7063		
		4	4 A(501) 5 A(501)	2041	4 A(516) 5 A(516)	204	42 4 K(516) 52 5 K(516)		0934	4 C(501) 5 C(501)	NOT T		4 A(509)	38-00-7251 NOT TOOLED	AE-6410- 45(501)	38-00-7666 NOT TOOLED	4 A 🛔	7064		
		6	6 A(501) 7 A(501)	2061	6 A(516) 7 A(516)	20	62 6 K(516) 72 7 K(516)		0936	6 C(501) 7 C(501)			6 A(509) 7 A(509)	1	6 S(501)	38-00-7667 NOT TOOLED	6 A	7066		
		8	8 A(501) 9 A(501)	2081	8 A(516) 9 A(516)	20	82 8 K(516) 92 9 K(516)		0938	8 C(501) 9 C(501)			8 A(509) 9 A(509)				8 A 9 A	38-00-7068 NOT TOOLED		
G		10	10 A(501)	2101 1	10 A(516)	210	02 10 K(516)		0940	10 C(501)			10 A(509)				10 A	NOT TOOLED		G
		<u>ທ</u> 11 ທ	11 A(501) 12 A(501)	2121 1	11 A(516) 12 A(516)	212	2 11 K(516) 22 12 K(516)		0942	11 C(501) 12 C(501)			11 A(509) 12 A(509)				11 A 12 A	NOT TOOLED 38-00-7072		
		S 12 13 14 15	13 A(501) 14 A(501)	2141 1	13 A(516) 14 A(516)	214	32 13 K(516) 2 14 K(516)		0944	13 C(501) 14 C(501)			13 A(509) 14 A(509)				13 A 14 A	NOT TOOLED 38-00-7074		
F		U 15 Ho 16	15 A(501) 16 A(501)		15 A(516) 16 A(516)	216	52 15 K(516)			15 C(501) 16 C(501)			15 A(509) 16 A(509)				15 A 16 A	NOT TOOLED		F
·		gi <u>17</u> 18	17 A(501) 18 A(501)		17 A(516) 18 A(516)		72 17 K(516) 32 18 K(516)			17 C(501) 18 C(501)			17 A(509) 18 A(509)				17 A 18 A			
		19 20	19 A(501) 20 A(501)	2191 1	19 A(516) 20 A(516)	219	02 19 K(516) 02 20 K(516)		0949	19 C(501) 20 C(501)			19 A(509) 20 A(509)				19 A 20 A	NOT TOOLED 38-00-7080		
		20 21 22	21 A(501) 22 A(501)	2211 2	21 A(516) 22 A(516)	22	12 21 K(516) 22 22 K(516)		0951	21 C(501) 22 C(501)			21 A(509) 22 A(509)				21 A 22 A	NOT TOOLED		
E		23	23 A(501)	2231 2	23 A(516)	22	32 23 K(516)		0953	23 C(501)		1	23 A(509)				23 A	NOT TOOLED		E
		24 25	24 A(501) 25 A(501)	2251 2	24 A(516) 25 A(516)	22	42 24 K(516) 52 25 K(516)		0955	24 C(501) 25 C(501)			24 A(509) 25 A(509)				24 A 25 A	38-00-0441 NOT TOOLED		
		26 27	26 A(501) 27 A(501)	1 2271 2	26 A(516) 27 A(516)	1 22	62 26 K(516) 72 27 K(516)		0957	26 C(501) 27 C(501)			26 A(509) 27 A(509)	+		•	26 A 🕴 27 A(503)			
р		28	AE-6410- 28A(501)	22-29-2281	AE-6410- 28A(516)	22-29-228	2 AE-6410- 28K(516)	38-0	0-0958	AE-6410- 28C(501)	NOT T	OOLED	AE-6410- 28A(509)	NOT TOOLED		NOT TOOLED	AE-6410- 28A(503)	NOT TOOLED		
Ĩ																				D
c																				c
										/02/24 /02/24 /02/24	QUALI		NERAL T			SION STYLE	SCALE			GLE
Ĩ										555				m INCH	DRAWN BY	DATE 28/01/0	TITLE		RICTION LOCK	
									1-	9-0413 RE 21 RE 21	∎ ▼=(3 PL	ACES ±	- ±.010 25 ±.014	CHECKED BY BMAGUIRE	DATE 28/01/0	-	KK (2.54)/.100 FOR 5 SQ. PINS	
									単	AGUIF AGUIF			LACE ± 0.3		APPROVED B		n nolex	MOLEX IN	CORPORATED	_
									ы N	DRWN:BMAGUIRE CH'KD: APPR:BMAGUIRE APPR:BMAGUIRE		DRA			MATERIAL NO		SDAE-	°. 5410-N		et no. 🔺
									N N	<u>⊔∺∺∃</u> ⊌ BB	2		MUST I WITHIN DIN	e applicable Remain Tensions		DRAWING CON	AINS INFOR	MATION THAT IS	S PROPRIETARY TO MO	OLEX
	b_frame_A2_P_AM_T Rev. D 2004/06/28	12	11	10		9		8		7	-	6		5		4	3	2	1	
/ '		I		1	1		I		I		I		I.		I	I		I.	I	

	10	9	8	7	6	5	4	з	2	1	
F		PART No			VOIDED		DIM B	DIM D			F
		38-00-722		3 4 5	2 3 3	(5.08 ±0.10) /.200 ±.004 (7.62 ±0.13) /.300 ±.005 (10.16 ±0.13) /.400 ±.005	(7.62)/.300 (10.16)/.400 (12.70)/.500	(7.50)/.295 (7.50)/.295 (7.50)/.295	5		
Е		0089	9 -6A-3	6	3	(12.70 ±0.13) /.500 ±.005 (12.70 ±0.13) /.500 ±.005	(15.24)/.600	(7.50)/.295	5		E
		5370 5371	-15A-02 -19A-12		2 12	(35.56 ±0.13) /1.400 ±.005 (45.72 ±0.15) /1.800 ±.006		(7.50)/.295			
D		768	3 -12A-09	12	9	(27.94 ±0.13) /1.100 ±.005	(30.48)/1.200	(7.50)/.295			D
с											с
в				ſ	<u>aaa </u>		DMENSION STYLE	SCALE	DESIGN UNITS		В
					0 0PTION 0413 2009/02/24 2009/02/24 2009/02/24 2009/02/24 2009/02/24	OLS (UNLESS SPECIFIED) mm INCH 4 PLACES ± 3 PLACES ±	MM/IN DRAWN BY DAT T. MAHON 28 CHECKED BY DAT	4:1 TE TITLE /01/03 TE V	<u>METRIC</u> MAFER, FRIC KK (2.54)/.	.100 FOR	
A					ADD VOIDED 0P1 BEV ND: E2009-0413 GEVNN:BMAGUIRE 200 CHYCD: 200 APPR:BMAGUIRE 200 APPR:BMAGUIRE 200 CHYCD: 200	1 PLACE ± 0.35 ± ANGULAR ± .5 ° DRAFT WHERE APPLICABLE	APPROVED BY DAT JDENNEHY 2005 MATERIAL NO. SEE TABL	103/11 MOLEX M DOCUMENT NO.	SDAE-6410-1	RPORATED	
fit R	b_frame_A3_P_AM_T Rev. E 2006/04/15	9	8	7	6	5	4	3	2	1	~