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Part Number: 0022292031

Status: Active

Overview:

2.54mm (.100") Pitch KK® Wire-to-Board Header, Vertical, with Friction Lock, 3 **Description:**

Circuits, Gold (Au) Plating

Documents:

Product Specification PS-99020-0088 (PDF) 3D Model Drawing (PDF) RoHS Certificate of Compliance (PDF)

Product Specification PS-10-07 (PDF)

Agency Certification

CSA LR19980 UL E29179

General

Product Family PCB Headers Series 6410

Wire-to-Board Application

Overview <u>kk</u>

KK® **Product Name**

Physical

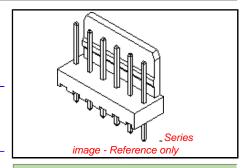
Breakaway No Circuits (Loaded) 3 Circuits (maximum) 3

Natural (White) Color - Resin

First Mate / Last Break No Flammability 94V-0 Glow-Wire Compliant No Guide to Mating Part No Keying to Mating Part None Lock to Mating Part Yes Material - Metal Brass Material - Plating Mating Gold Material - Plating Termination Gold Material - Resin Nylon

Number of Rows Orientation Vertical PC Tail Length (in) 0.140 In PC Tail Length (mm) 3.56 mm PCB Locator No **PCB** Retention None PCB Thickness Recommended (in) 0.063 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 Pitch - Term. Interface (in) 0.100 In Pitch - Term. Interface (mm) 2.54 mm Plating min: Mating (µin) 20 Plating min: Mating (µm) 0.5 Plating min: Termination (µin) 20 Plating min: Termination (µm) 0.5 Polarized to Mating Part Yes

No



China RoHS

EU RoHS ELV and RoHS Compliant

REACH SVHC Not Reviewed Halogen-Free

Status Halogen-Free

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

6410 Series

Mates With

KK® Crimp Terminal Housing 2695, 6471

Polarized to PCB

Shrouded Partial
Stackable No
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

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 230

Material Info

Old Part Number AE-6410-03A(501)

Reference - Drawing Numbers

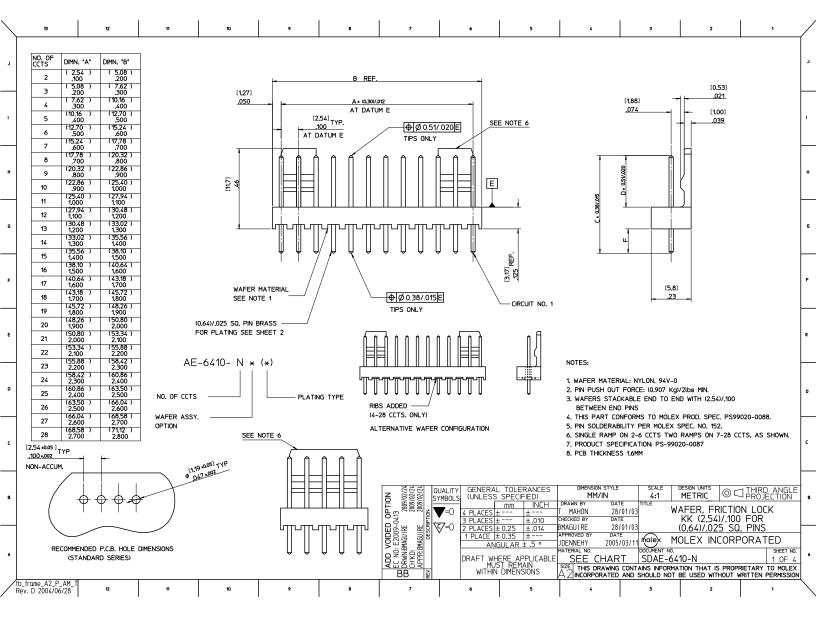
Packaging Specification PK-6373-001

Product Specification PS-10-07, PS-99020-0088

Sales Drawing SDAE-6410-N

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\	19	12	11	10	9	8	7		5	4	1	3	2	,	
,			•	•			1	·	1				1	•	,
			ENG. NO.	AE-6410-NA (102) AE-6410-NC	(102) AE-	-6410-ND (102)	AE-6410-NH (102)	AE-6410-NJ (1	102)	AE-6410-NL	102)			
			DIMN. "D"	(7,50 ±0.25) .295 ±.010	(7.14 ± .281 ±		8.05 ±0.25) .317 ±.010)(7,49 ±0.25) ,295 ±.010	(18,80 ±0.38 .740 ±.015		(8,50 ±0.38 .335 ±.015)			
			DIMN, "C"	(14.22)/ .560	(20.32)/		4.22)/ .560	(14.98)/ .590	(25.40) / 1.000		(23.80)/.93				١,
			DIMN. "F"	(3.56)/ .140 REI	= (10.00)/ .3		99) .118 REF TIN MIN.	(4.32)/ .170 REF	(3.43)/ .135 TIN MIN.	REF (12.13)/.477 TIN MIN.	REF			
			PLATING	(0.005)/.0002 OVER (0.0025)/.0001 COPPER MIN.	(0,005)/,000 OVEF (0,0025)/,000 COPPER	0.0	005)/.0002 OVER 025)/.0001 COPPER MIN.	(0.005)/,0002 OVER (0,0025)/,0001 COPPER MIN.	(0.005)/.0002 OVER (0.0025)/.0001 COPPER MIN.		(0,005)/,0002 OVER (0,0025)/,0001 COPPER MIN	ı			
н			2	AE-6410- 2A(102) 22-27-20	21 AE-6410- 2C(102) 3	8-00-6292 AE-	38-00-5882	AE-6410- 2H(102) 38-00-6754	AE-6410- 2,1102) NOT T	TOOLED	AE-6410- 2L(102) NOT	TOOLED			н
			3	4 A(102) 2	031 3 C(102) 041 4 C(102)	6294 4 D	(102) 5884	3 H(102) NOT TOOLE 4 H(102) 22-27-2046	4 J(102) NOT T	TOOLED TOOLED	L(102) L(102)				
			6	6 A(102) 2	051 5 C(102) 061 6 C(102)	6295 5 D 6296 6 D	(102) 5886	5 H(102) NOT TOOLE 6 H(102)	6 J(102) NOT T	7-2057 TOOLED	L(102) L(102)				
G			8		071 7 C(102) 081 8 C(102)	6297 7 D 6298 8 D	(102) 5888	7 H(102) 8 H(102)	7 J(102) NOT T 8 J(102) 22-27	7-2087	L(102) L(102)				6
			10	10 A(102) 2	091 9 C(102) 101 10 C(102)	6299 9 D 6300 10 D		9 H(102) 10 H(102)	9 J(102) NOT T	TOOLED	L(102) L(102)				
					111 11 C(102) 121 12 C(102)	6301 11 D 6302 12 D		11 H(102) NOT TOOLE 12 H(102) 22-27-2126			L(102) L(102)				
					131 13 C(102) 141 14 C(102)	6303 13 D 6304 14 D		13 H(102) NOT TOOLE	D 13 J(102) 14 J(102)		L(102) L(102) NOT	† TOOLED			
F			15 15		151 15 C(102) 161 16 C(102)	6305 15 D 6306 16 D		15 H(102) 16 H(102)	15 J(102) 16 J(102)			00-1736 TOOLED			F
			o 17		171 17 C(102) 181 18 C(102)	6307 17 D 6308 18 D		17 H(102) 18 H(102)	17 J(102) 18 J(102)		L(102) L(102)	1			
			19	19 A(102) 2	191 19 C(102)	▼ 6309 19 D 8-00-6310 20 D	(102) 5899	19 H(102) 20 H(102)	19 J(102) 20 J(102)		L(102) L(102)				
E			21	21 A(102) 2		OT TOOLED 21 D	(102) 5901	21 H(102) 22 H(102)	21 J(102) 22 J(102)		L(102) L(102)				E
			23	23 A(102) 2	231 23 C(102) 241 24 C(102)	23 D 24 D	(102) 5903	23 H(102) 24 H(102)	23 J(102) 24 J(102)		L(102) L(102)				
			25	25 A(102) 2	251 25 C(102) 261 26 C(102)	25 D 26 D	(102) 5905	25 H(102) 26 H(102)	25 J(102) 26 J(102)		L(102) L(102)				
D				27 A(102) 7 2 AE-6410- 28A(102) 22-27-22	271 27 C(102)	▼ 27 D	(102) 🛊 5907	27 H(102) V AE-6410- 28H(102) NOT TOOLE	27 J(102)	TOOL ED	L(102) AE-6410- 28L(102) NOT	TOOL ED			
				28A(102) ZZ-Z/-ZZ	.O 1 28C(102) IN	01 100LED 2	(8D(102) 30-00-3906	28H(102) NOT TOOLE	D 28J(102) NOT 1	TOOLED	28L(102) NO 1	TOOLED			P
ļ															_
С															c
В								QUALITY GENERAL T SYMBOLS (UNLESS SF		DIMENSION MM/	'IN	4:1	METRIC ©	THIRD ANGLE PROJECTION	В
							1 -0413 2009 2009 2009	▼=0 4 PLACES ±	- ± T. M	MAHON	28/01/03 DATE	W	AFER, FRICTION		
							ET 109-02	3 PLACES ± 2 PLACES ± 0.2	25 ±.014 BMAG	KED BY GUIRE ROVED BY	28/01/03 DATE		KK (2.54)/.10((0.64)/.025 SC	D. PINS	\vdash
							SEE SHEET C NO: E2009-0 DRWN:BMGUIRE CHYKD: APPR:BMAGUIRE DESCRIE	1 PLACE ± 0.3 ANGUL	AR + .5 ° JDEN	NNEHY RIAL NO.	2005/03/11 🐧	OLEX M	OLEX INCORF	PORATED SHEET NO.	1
^							SEE NC CHYKD APPR:	DRAFT WHERE MUST WITHIN DIN	E APPLICABLE SIZE	SEE C	HART S	DAE-64	10-N	2 OF 4	^
/	th frame A2 D AM T					1	BB ₽	WITHIN DI	MĒNSIÖNS ĀŽ	INCORPOR	RATED AND SH	OULD NOT	BE USED WITHOUT	RIETARY TO MOLEX WRITTEN PERMISSION	Ī
\checkmark	tb_frame_A2_P_AM_T Rev. D 2004/06/28	12	11	10	9	8	7	6	5	4		3	2	1	

EN	5. NO.	AE-6410-	NA (501)) AE-6410-	NA (516)	AE-6410-	NK (516)	AE-641	0-NC (501)	AE-6410-N	NA (509)	AE-6410-N	IS (501)	AE-6410	0-NA (503)	
-	N. 'D'	(7.50 .295	± 0.25) ±.010	(7.50 .295		(9.22 .363) REF	(7.1	4 ± 0.25) 1 ±.010	(7.50 .295	± 0.25) ±.010	(7.50 .295	± 0.25) ±,010		00 ± 0.25) 5 ±.010	
DIM	N. 'C'	(14.22)		(14.22)		(15.88			2) /.800	(14.22).		(16.51)			1)/.560	
DIM	N. 'F'	(3.56)/	.140 REF	F (3.56)/	.140 REF	(3.48 .137	\0.25) \010	(10.00)	/.394 REF	(3.56)/	.140 REF	(5.84)/	.230 REF	(3.56)	/.140 REF	
PL	ATING	GOLD (0.0005)/,		GOLD (0.00025)/		GOLD (0,00025)	MIN.		.D MIN. 07,000020	GOLD (0,00127)/,0		GOLD (0.0005)/.0		GOL	_D MIN.)/.000030	
			VER		/ER	(0.00076)	VER		VER		'ER		VER	0	VER 07.000050	
		NICKE	EL MIN.	NICKE	L MIN,	NICK	EL MIN.	NICKE	L MIN.	NICKE	L MIN.		L MIN.	NICKE	EL MIN.	
	3	AE-6410- 2A(501) 3 A(501)	22-29-20	021 AE-6410- 2A(516) 031 3 A(516)	22-29-2022 \$ 2032	AE-6410- 2K(516) 2 3 K(516)	38-00-093	32 AE-6410- 2C(501) 33 3 C(501)	NOT TOOLED 38-00-5909		38-00-7250 NOT TOOLED		NOT TOOLED	AE-6410- 2A(503) 3 A(503)	38-00-7062 A 7063	
	4	4 A(501)	2	041 4 A(516)	2042	2 4 K(516)	09	34 4 C(501)		4 A(509)	38-00-7251	AE-6410- 4S(501)	38-00-7666	4 A 🛊	7064	
	5	5 A(501) 6 A(501)		2051 5 A(516) 2061 6 A(516)		2 5 K(516) 2 6 K(516)		35 5 C(501) 36 6 C(501)	$+$ \dagger	5 A(509) 6 A(509)	NOT TOOLED	6 S(501)	NOT TOOLED 38-00-7667		7065 7066	
	7	7 A(501)	2	071 7 A(516)	2072	2 7 K(516)	09	37 7 C(501)		7 A(509)		- 0.50	NOT TOOLED	7 A	7067	
	8 9	8 A(501) 9 A(501)		081 8 A(516) 091 9 A(516)		2 8 K(516) 2 9 K(516)		38 8 C(501) 39 9 C(501)	+ + -	8 A(509) 9 A(509)	 		1	8 A 9 A	38-00-7068 NOT TOOLED	
	10	10 A(501)	2	101 10 A(516)	2102	10 K(516)	09	40 10 C(501)		10 A(509)				10 A	NOT TOOLED	
S	11 12	11 A(501) 12 A(501)		2111 11 A(516) 2121 12 A(516)		11 K(516) 12 K(516)		41 11 C(501) 42 12 C(501)		11 A(509) 12 A(509)				11 A 12 A	NOT TOOLED 38-00-7072	
CIRCUITS	13	13 A(501)	2	13 A(516)	2132	13 K(516)	09	43 13 C(501)		13 A(509)				13 A	NOT TOOLED	
B	14 15	14 A(501) 15 A(501)		2141 14 A(516) 2151 15 A(516)		14 K(516) 15 K(516)		44 14 C(501) 45 15 C(501)		14 A(509) 15 A(509)				14 A 15 A	38-00-7074 NOT TOOLED	
₽.	16	16 A(501)	2	161 16 A(516)	2162	16 K(516)	09	46 16 C(501)		16 A(509)				16 A	1	
8	17 18	17 A(501) 18 A(501)		2171 17 A(516) 2181 18 A(516)		17 K(516)	09	47 17 C(501) 48 18 C(501)		17 A(509) 18 A(509)				17 A 18 A	+ +	
	19	19 A(501)	2	191 19 A(516)	2192	19 K(516)	09	49 19 C(501)		19 A(509)				19 A	NOT TOOLED	
	20	20 A(501) 21 A(501)		201 20 A(516) 211 21 A(516)		2 20 K(516) 21 K(516)		50 20 C(501) 51 21 C(501)		20 A(509) 21 A(509)				20 A 21 A	38-00-7080 NOT TOOLED	
	22	22 A(501)	2	221 22 A(516)	2222	2 22 K(516)	09	52 22 C(501)		22 A(509)				22 A	NOT TOOLED	
	23 24	23 A(501) 24 A(501)		231 23 A(516) 241 24 A(516)		2 23 K(516) 2 24 K(516)		53 23 C(501) 54 24 C(501)		23 A(509) 24 A(509)				23 A 24 A	NOT TOOLED 38-00-0441	
	25	25 A(501)	2	251 25 A(516)	2252	25 K(516)	09	55 25 C(501)		25 A(509)				25 A	NOT TOOLED	
	26 27	26 A(501) 27 A(501)		2261 26 A(516) 2271 27 A(516)	¥ 2272	2 26 K(516) 2 27 K(516)		56 26 C(501) 57 27 C(501)	+ +	26 A(509) 27 A(509)	++		•	26 A † 27 A(503)	+ ‡ -	
	28	AE-6410- 28A(501)		281 AE-6410- 28A(516)	22-29-2282		38-00-095		NOT TOOLED		NOT TOOLED		NOT TOOLED	AE-6410- 28A(503)	NOT TOOLED	
								Vf - 4 - 4	OLIVITY C	ENERAL T	OLERANCES		SION STYLE	SCALE	DESIGN UNITS	a THIDD A
								27.2			PECIEIED)		1M/IN	4:1	METRIC	1@ 더 뱀씨투섯
								2009/02/24	SYMBOLS (JNLESS SF	m INCH	DRAWN BY	DATE	4:1	METRIC_	© □ THIRD AI
								6.6.6	SYMBOLS (JNLESS SF	m INCH - ±	DRAWN BY T. MAHON CHECKED BY	DATE 28/01/03 DATE	TITLE	WAFER, FR	RICTION LOCK)/.100 FOR
								6.6.6	SYMBOLS (JNLESS SF PLACES ± PLACES ± PLACES ±	m INCH ± ±.010 25 ±.014	DRAWN BY T. MAHON CHECKED BY BMAGUIRE	DATE 28/01/03 DATE 28/01/03	TITLE	WAFER, FR KK (2.54 (0.64)/.02	RICTION LOCK)/.100 FOR 5 SQ, PINS
								6.6.6	SYMBOLS (JNLESS SF MPLACES ± PLACES ± PLACES ± 0.2 PLACE ± 0.3	m INCH ± ±.010 25 ±.014	DRAWN BY T. MAHON CHECKED BY BMAGUIRE APPROVED BY JDENNEHY	DATE 28/01/03 DATE 28/01/03	molex	WAFER, FR KK (2.54 (0.64)/.02 MOLEX IN	RICTION LOCK)/.100 FOR 5 SQ. PINS CORPORATED
								SEE SHEET 1 EC NO. E2009-04/3 DENNN:BMAGUIRE 2009/02/2 APPR:BMAGUIRE 2009/02/2	SYMBOLS (JNLESS SF m PLACES ± PLACES ± PLACES ± 0.3 ANGUL	INCH = ± = ±.010 25 ±.014 35 ±	DRAWN BY T. MAHON CHECKED BY BMAGUIRE APPROVED BY JDENNEHY MATERIAL NO	DATE 28/01/03 DATE 28/01/03	molex	WAFER, FR KK (2.54 (0.64)/.02 MOLEX IN	RICTION LOCK)/.100 FOR 5 SQ, PINS

