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Home PCB Headers Datasheet

Part Number: 0022052101

**Status: Active** 

Description: 2.54mm (.100") Pitch KK® Wire-to-Board Header, Single Row,

Right Angle, 10 Circuits, PA Polyamide Nylon, Tin (Sn) Plating

**Documents:** 

Note - Please disable browser pop-up blockers for documents on www.molex.com

<u>Drawing (PDF)</u> <u>Product Specification PS-10-07</u>

(PDF)

3D Model Packaging Specification (PDF)

Related Catalog Page (PDF)

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General Physical Electrical Material Info

General

Product Family PCB Headers

Series <u>4094</u>

Application Board-to-Board
Application Wire-to-Board

Product Name KK®

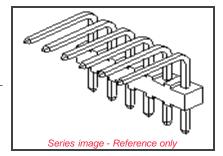
**Physical** 

Breakaway No
Circuits (Loaded) 10
Circuits (maximum) 10

Color - Resin Natural (White)
Durability (mating cycles) min 25 cycles
Flammability 94V-0
Lock to Mating Part None
Material - Metal Brass
Material - Plating Mating Tin

Material - Plating Mating Tin
Material - Resin Nylon
Number of Rows 1
Orientation Right Angle

PC Tail Length (in) 0.124 In PC Tail Length (mm) 3.15 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 Polarized to Mating Part No Polarized to PCB No Shrouded No Stackable Yes Surface Mount Compatible (SMC) No



EU RoHS

Go

**ELV and RoHS Compliant** 



China RoHS

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Duration at Max. Process Temperature (seconds)

Lead-free Process Wave Capak

Capability Capable (TH only)

Max. Cycles at Max. Process Temperature

Process Temperature max. 235

Search Parts in this Series

4094 Series

**Mates With** 

<u>2695</u>, <u>6471</u>, <u>7880</u>, <u>4455</u>, <u>7720</u>

0°C to +75°C

Temperature Range - Operating

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Termination Interface: Style Through Hole

**Electrical** 

 CSA
 LR19980

 Current - Maximum
 4.000 Amp

 UL
 E29179

 Voltage - Maximum
 250V

**Material Info** 

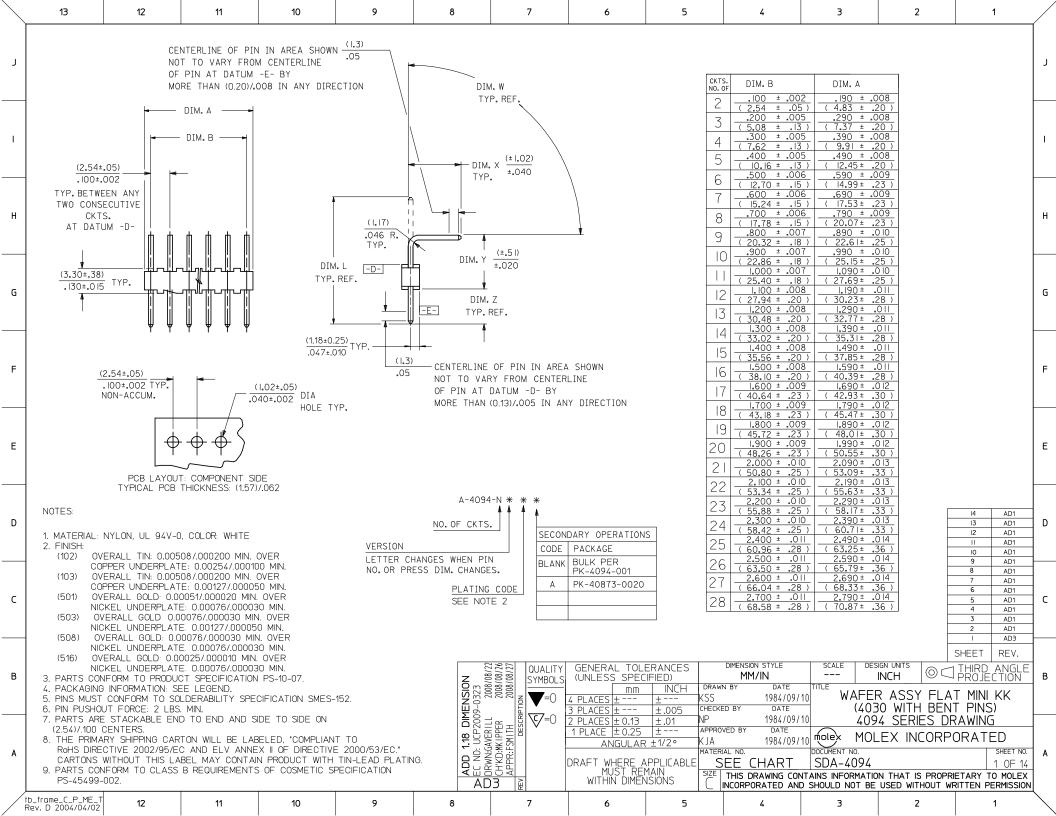
Old Part Number A-4094-10A102

**Reference - Drawing Numbers** 

Product Specification PS-10-07 Sales Drawing SDA-4094

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	13	12	11	10		9		8	7		6	5		4	3		2		1	
J	ENG. NO.	PIN NO	O. DIM. L	DIM. X [	DIM. Z	DIM. Y	DIM W	DIM. T	ENG.	NO.	PIN	NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. T		ر ا
	A-4094-NA 102	2766-3(102)	(17.45)	(9.30)	(3.15)	(6.30) .248	90°		A-4094-NCI	<i>I</i> 501	2766-1(501)		.560	.176	.233	.201	90°			
	A-4094-NA501	2766-3(501)	.687	<u>(9.30)</u> .366	(3.15)	.248	90°		A-4094-NCN501		2766-53(501)		(20.85) -821	-	SEE SHT.7		90°			
	A-4094-NAB IO2	2766-40(102)	(23.80)	(14.99)	(3.78)	(6.30)	90°		A-4094-NCF	R501	2766-73(5	01)	(22.7 I) .894	(13 <b>.</b> 92) .548	(3.48)	(6.60) .260	90°			
1	A-4094-NAC IO2	2766-54(102)	(17.86)	(9.68)	.149	.248	90°		A-4094-NCS	5501	4166-74(5)	0 ()	(31.24)	(22,23)	(3.71)	(6.60)	900			1
		2766-8(102)	.703	(10.19)	.170	.202	900		A-4094-NC		2766-28(5	O I)	(15.88)	.875	.146	.260	900		-	
	A-4094-NAJ 102		.842 (21.39)	.401	.161	.331					2100 200	0.17	.625	.301	.127	.248	900			
	A-4094-NAL 102	2766-8(102)	.842	.491	.154	.248	90°		A-4094-NC	7508	2766-3(501)		(17.45)	(9,30)	SEE SHT. 8	(7.11)				
Н	A-4094-NAM102	2766-3(102)	.687	.194	.287	.257	90°		A-4094-NC	2501			.687	.366	.091	.280	900			+
	A-4094-NAP 102	2766-3(102)	.687	- (8.41) -	.149	.258	90°		A-4094-NJ	02	2766-28(1	02)	(15.88) .625	.261	.119	.383	55°			
G	A-4094-NB I02	2766-43(102)	.530	.191	.142	.248	90°		A-4094-NN	1102	2766-3(10	)2)	(17.45) .687	.293	.112	.333	90°			
	A-4094-NBE 102	2766-37(102)	(20.32)	<u>(11.53)</u> .454	(3.56)	(6.50) .256	90°		A-4094-NF	102	2766-37(	102)	(20.32) .800	.482	.121	.248	90°			G
	A-4094-NBE501	2766-37(501)	(20,32)	(11.53)	(3.56)	(6.50)	90°		A-4094-NF	G501	2766-53(	501)	(20.85)	(12.32)	(3.53)	(6.30)	900			"
	A-4094-NBF I02	2766-41(102)	.800	.454	.140	.256	90°		A-4094-NW	102	2766-37(	102)	(20.32)	(9.30)	(3.61)	(8.71)	900			
F			.736	.366	.110	.310	900		A-4094-NZ		2766-3(10		.800	.366	.142	.343	900			
	A-4094-NBF501	2766-4 ((501)	.736 (20.32)	.366	.110	.310							.687 (14.22)	.202	.313	.223				F
	A-4094-NBH102	2766-37(102)	.800	.461	.091	.298	90°		A-4094-NH	102	2766-1(10	2)	.560 (27.00)	.206	.156 (3.15)	.248	90°			
	A-4094-NBK 103	4166-11(103)	.650	.197	.302	.202	90°		A-4094-ND	A-4094-NDA IO2		02)	1.063	.366	.124	.623	90°			
	A-4094-NBJ102	2766-4 ((102)	.736	- <del>(9.42)</del> -	.143	.273	90°		A-4094-ND	B 102	4166-300	02)	(30.48)	.366	.121	.763	90°			
Е	A-4094-NBJ501	2766-4 ((50 1)	.736	(9.42)	(3.63)	.273	90°		A-4094-ND	C 102	2766-400	102)	.937	.500	.124	.363	900			E
	A-4094-NBL 102	2766-8(102)	(21.39)		(3.05)	(17.60)	25°		A-4094-NA	508	2766-3(5	08)	(17.45) .687	(9.30)	(3.15)	(6.30) .248	90°			
	A-4094-NBM102	2766-28(102)	.842	(5.79)	(4.06)	(6.30)	1390		A-4094-ND	D 102	2766-600	102)	(23.24)	(9.53)	(8.64)	(6.35)	900			
			.625	.228	.160	.248	105°		A-4094-NA	PIN2	2766-260	ID2)	.915	.375	.340	.250	900			
D	A-4094-NBP IO2	2766-3(102)	.687	.357 (9.30)	.3 IO (1.63)	.229				A-4094-NAT IO2 A-4094-NAT 50 I			.590 (18.69)	(8.26)	.316	(12.75)	45°			D
	A-4094-NBR501	2766-52(501)	.575	.366	.064	.193	90°		A-4094-NA			2766-41(102)	.736	.325	.129	.502 (12.75)				
	A-4094-NBT I02	2766-39(102)	.500	.251	.110	.188	90°		A-4094-NA			iO I)	.736	.325	.129	.502	45°			
C	A-4094-NCA 102	2766-57(102)	.545	.206	.142	.248	90°		A-4094-ND	A-4094-NDE50 I A-4094-NDF I02 A-4094-NDG I02		501)	(22.71) .894	.393	.118	.433	90°			
	A-4094-NCC 102	2766-73(102)	(22.7 I) .894	.423	.128	.536	60°		A-4094-ND			02)	.875	.241	.435	.250	90°			C
	A-4094-NCE 102	2766-54(102)	(17.86) .703	(9.14)	(3.91)	.240	90°		A-4094-ND			2766-39(102)		(4.60)	(3.10)	(6.30) .248	90°			
	A-4094-NCM102	2766-1(102)	(14.22)	(4.47)	(5.92)	(5.11)	90°		A-4094-NE	K 102	4166-11(10	)2)	(16.51)	(5.00)	(7.67)	(5.13)	90°			
В			.560	.176	.233	.201		A 55	QUALITY		RAL TOLE			NSION STYLE MM/IN	.302 SCALE	.202 DESIGN			) ANGLE ECTION	
В								BLOCK 2329 2005/07/26	SYMBOLS		ESS SPECI	INCH	DRAWN BY	DATE	TITLE ,			FLAT MIN		В
								7LE	North Market	3 PLAC	ES ± ES ±	± ±.005	KSS CHECKED BY			(4030	WITH	BENT PIN	IS)	
								TIT 17	E E SS		ES ± 0.13 E ± 0.25	±.01 ±	NP APPROVED I					S DRAWIN		-
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A-4094-NA 102			A-4094-NA501		Δ-	A-4094-NAB102			A-4094-NAC 102		102	A-40	94-NA	J 102	A-4094	-NAL 102	
J	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART	NO.	ENG. NO.	.	PART NO.	ENG.	NO.	PART NO	. ENC	3. NO.	PART NO.	ENG. NO.	ر
	22-05-2021 * A-4094-2A102		22-12-2021	* A-4094-2A50	22-0	5-2026	A-4094-2AB102			A-4094-	A-4094-2ACI02		A-4094-2AJ102		22-05-2027 A-4094-2AL IO2		11
	22-05-2031 * A-4094-3A102		22-I2-203 I * A-4094-3A50 I		22-0	22-05-2036		3102		A-4094	-3AC 102	22-05-30	38 A-409	94-3AJ102	22-05-2037	A-4094-3AL 102	1
-	22-05-2041 * A-4094-4A102		22-12-2041 * A-4094-4A501		22-0	5-2046	A-4094-4AE	3102		A-4094-	-4AC102	22-05-30	18 A-409	4-4AJ102	22-05-2047	A-4094-4AL I02	
	22-05-2051	A-4094-5A IO2	<del>                                     </del>	* A-4094-5A50	22-0	5-2056	A-4094-5AE	3102		A-4094-	-5AC IO2	22-05-30	58 A-409	4-5AJ102	22-05-2057	A-4094-5AL I02	
1	22-05-2061 *	A-4094-6A IO2	22-12-2061	* A-4094-6A50	22-0	5-2066	A-4094-6AE	3 102		A-4094-	-6AC IO2	22-05-30	68 A-409	4-6AJ102	22-05-2067	A-4094-6AL 102	]   1
	22-05-2071 *	A-4094-7A IO2	22-12-2071	* A-4094-7A50	22-0	5-2076	A-4094-7AE	3102		A-4094-	-7AC IO2	22-05-30	78 A-409	94-7AJ102	22-05-2077	A-4094-7AL 102	
		A-4094-8A IO2	22-12-2081 * A-4094-8A501		22-0	5-2086	A-4094-8AE	3102			-8AC102	22-05-30		4-8AJ102	22-05-2087	A-4094-8AL I02	<b>⊒</b>
	22-05-2091 *	A-4094-9A IO2	22-12-2091	* A-4094-9A50	22-0	5-2096	A-4094-9AE	3102		A-4094-	-9AC 102	22-05-30	98 A-409	14-9AJ102	22-05-2097	A-4094-9AL 102	
	H 22-05-2101 * A-4094-10A102 22-05-2111 * A-4094-11A102 22-05-2121 * A-4094-12A102 22-05-2131 * A-4094-13A102		22-12-2101	22-12-2101 * A-4094-10A501	1 22-0	5-2106	A-4094-10A	NB 102		A-4094-1	- IOAC IO2	22-05-310	8 A-409	14-10AJ102	22-05-2107	A-4094-IOAL IO2	
н			22-12-2111	* A-4094-11A50	22-0	5-2116	A-4094-11AI	B 102		A-4094-	- I IAC IO2	22-05-31	8 A-409	14-11AJ102	22-05-2117	A-4094-11AL 102	. Н
			22-12-2121	* A-4094-12A50	1 22-0	5-2126	A-4094-12A	B102		A-4094	- I2AC I02	22-05-312	8 A-409	14- I2AJ 102	22-05-2127	A-4094-12AL102	<b>∐</b> "
			22-12-2131	* A-4094-13A5C	1 22-0	5-2136	A-4094-13A	B 102		A-4094	- I3AC IO2	22-05-313	8 A-409	94-13AJ102	22-05-2137	A-4094-I3AL I02	
	22-05-2141 *	A-4094-14A102	22-12-2141	22-12-2141 * A-4094-14A501		5-2146	A-4094-14AB102			A-4094-	- I4AC IO2	22-05-314	8 A-409	94-14AJ102	22-05-2147	A-4094-14AL102	
	22-05-2151 *	A-4094-15A102	22-12-2151	* A-4094-I5A50	1 22-0	5-2156	A-4094-15A	B 102		A-4094	- I5AC IO2	22-05-3 15	8 A-409	94-15AJ 102	22-05-2157	A-4094-I5ALI02	
	22-05-2161 *	A-4094-16A102	22-12-2161	* A-4094-16A50	1 22-0	5-2166	A-4094-16A	B 102		A-4094	- I6AC I02	22-05-316	8 A-409	94-16AJ102	22-05-2167	A-4094-16AL 102	]
G	22-05-2171 *	A-4094-17A102	22-12-2171	* A-4094-17A50	1 22-0	5-2176	A-4094-17A	B 102		A-4094-	- I7AC IO2	22-05-31	8 A-409	4- I7AJ I02	22-05-2177	A-4094-17AL102	]   G
	22-05-2181 *	A-4094-18A102	22-12-2181	* A-4094-18A50	1 22-0	5-2186	A-4094-18A	B 102		A-4094-	- I8AC IO2	22-05-318	8 A-409	94-18AJ102	22-05-2187	A-4094-18AL102	11
	22-05-2191 *	A-4094-19A102	22-12-2191	* A-4094-19A50	1 22-0	5-2196	A-4094-19A	B 102		A-4094-	- 19AC 102	22-05-319	8 A-409	14-19AJ102	22-05-2197	A-4094-19AL102	11
	22-05-2201 *	A-4094-20A IO2	22-12-2201	* A-4094-20A50	22-0	5-2206	A-4094-20A	4B102		A-4094-	-20AC IO2	22-05-32	08 A-409	14-20AJ102	22-05-2207	A-4094-20AL I02	
	22-05-2211 *	A-4094-21A102	22-12-2211	* A-4094-21A5C	1 22-0	5-2216	A-4094-2 IA	B 102		A-4094-	-2 IAC IO2	22-05-32	8 A-409	4-2 IAJ 102	22-05-2217	A-4094-21AL102	11
F	22-05-2221 *	A-4094-22A IO2	22-12-2221	* A-4094-22A50	22-0	5-2226	A-4094-22A	AB 102		A-4094-	-22ACI02	22-05-32	28 A-409	4-22AJ102	22-05-2227	A-4094-22AL 102	]   F
·	22-05-2231 *	A-4094-23A IO2	22-12-2231	* A-4094-23A50	22-0	5-2236	A-4094-23A	AB 102		A-4094-	-23AC102	22-05-32	38 A-409	4-23AJ102	22-05-2237	A-4094-23AL I02	11
	22-05-2241 *	A-4094-24A IO2	22-12-2241	* A-4094-24A50	22-0	5-2246	A-4094-24A	AB 102		A-4094	-24ACI02	22-05-32	18 A-409	4-24AJ102	22-05-2247	A-4094-24AL IO2	11
	22-05-2251 *	A-4094-25A IO2	22-12-2251	* A-4094-25A50	22-0	5-2256	A-4094-25A	AB 102		A-4094-	-25ACI02	22-05-32	58 A-409	4-25AJ 102	22-05-2257	A-4094-25AL IO2	1 ├──
	22-05-2261	A-4094-26A IO2	22-12-2261	A-4094-26A50	22-0	5-2266	A-4094-26A	AB 102		A-4094-	-26AC IO2	22-05-32	8 A-409	4-26AJ 102	22-05-2267	A-4094-26AL I02	11
_	22-05-2271	A-4094-27A IO2	22-12-2271	A-4094-27A50	22-0	5-2276	A-4094-27A	AB 102		A-4094-	-27ACI02	22-05-32	'8 A-409	94-27AJ 102	22-05-2277	A-4094-27AL IO2	†   _
E	22-05-2281	A-4094-28A IO2	22-12-2281	A-4094-28A50		5-2286	A-4094-28A				-28ACI02	22-05-32		14-28AJ 102	22-05-2287	A-4094-28AL IO2	-
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В							FITLE BLOCK 2005-2329 2005/07/26	DT 2005/07/27 1 2005/07/27 SCRIPTION	V=0 4 PL/	NERAL TOL LESS SPEO mm ACES ± ACES ±		DRAWN BY KSS CHECKED BY NP	DATE 1984/09/	(,	DESIGN UNITS OF INCH O	LAT MINI KK ENT PINS)	Е в
A		J .					UPDATE TITLE DEC NO: UCP2005-2	CH'KD:LSCHMI APPR:FSMITh REV DES	DRAF	ACE ± ANGULAF T WHERE A MUST RE WITHIN DIME	APPLICABLE MAIN		RAWING CON	DOCUMENT NO. SDA-40'	MOLEX INCOF		4 ×
	b_frame_C_P_ME_ Rev. D 2004/04/02	12	11	10	9		8		7	6	5		4	3	2	1	