Datasheet 11/10/08 8:42 AM

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Home PCB Headers Datasheet

Part Number: 0022052051

Status: Active

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

Right Angle, 5 Circuits, PA Polyamide Nylon, Tin (Sn) Plating

Documents:

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Drawing (PDF)

Product Specification PS-10-07

(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) 5 Circuits (maximum) 5

Color - ResinNatural (White)Durability (mating cycles) min25 cyclesFlammability94V-0Lock to Mating PartNoneMaterial - MetalBrassMaterial - Plating MatingTinMaterial - ResinNylon

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

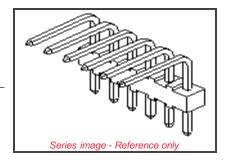
PCB Thickness Recommended (in) 0.063 In

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

Temperature Range - Operating 0°C to +75°C

No

Surface Mount Compatible (SMC)



EU RoHS

ELV and RoHS Compliant



Need more information on product compliance?

Email productcompliance@molex.com

Please visit the <u>Contact Us</u> section for any non-product compliance questions.

Duration at Max. Process Temperature (seconds)

Lead-free Process Wave Capable (TH

Capability 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>

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Termination Interface: Style Through Hole

Electrical

 CSA
 LR19980

 Current - Maximum
 4.000 Amp

 UL
 E29179

 Voltage - Maximum
 250V

Material Info

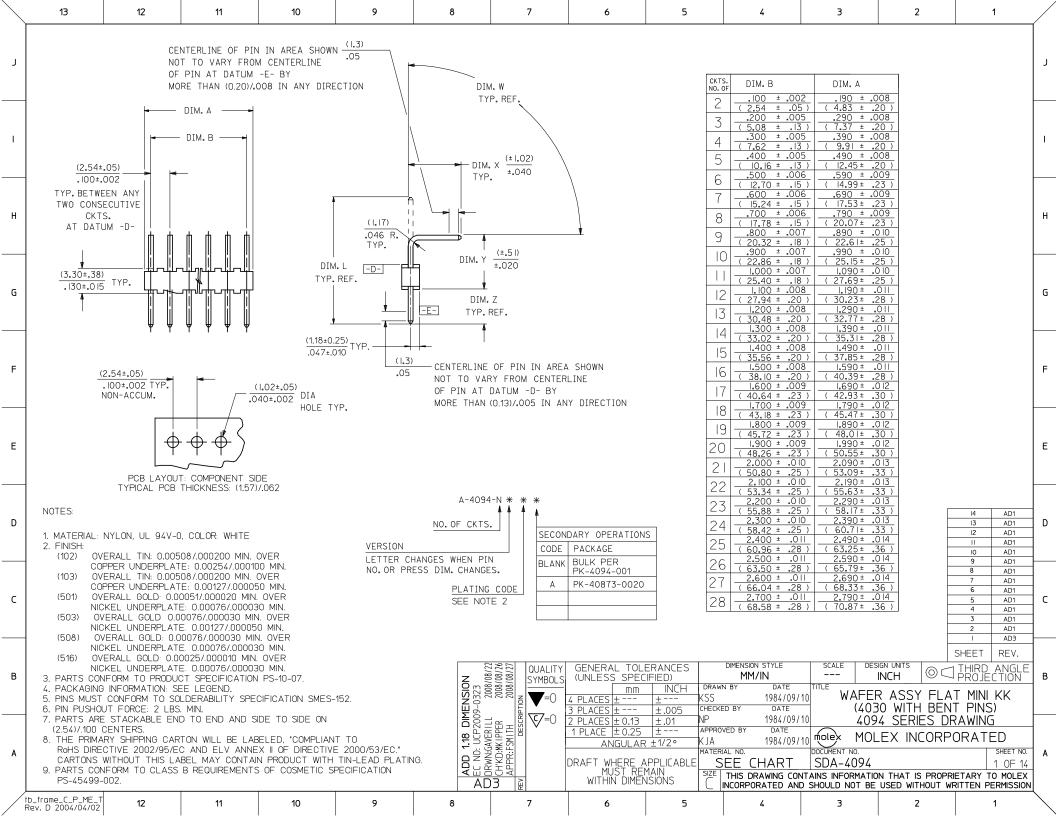
Old Part Number A-4094-05A102

Reference - Drawing Numbers

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

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J	ENG. NO.	PIN NO	O. DIM. L	- DIM. X [)IM. Z	DIM. Y	DIM W	DIM. T	ENG.	NO.	PIN	NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. T		ر
	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	(5.92) .233	.201	90°			
	A-4094-NA501	2766-3(501)	.687	<u>(9.30)</u> .366	(3.15)	(6.30)	90°		A-4094-NCN501		2766-53(501)		.821	.821 SI		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	(13.92)	(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)) (I C	(31.24)	(22,23)	(3.71)	(6.60)	900			1
		2766-8(102)	.703	(10.19)	.170	.202	90°		A-4094-NC		2766-28(5	(O I)	1.230 (15.88)	.875	.146	.260	900			
	A-4094-NAJ 102		.842 (21.39)	.401	.161	.331 (6.30)					2100 200		.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			H
	A-4094-NAP 102	2766-3(102)	.687	- (8.41) -	.149	.258	90°		A-4094-NJ	02	2766-28(1	02)	.625	.261	(3.02) 	.383	55°			
G	A-4094-NB I02	2766-43(102)	.530	.191	(3.61)	(6.30) .248	90°		A-4094-NN	1102	2766-3(10)2)	(17.45) .687	.293	.112	.333	900			
	A-4094-NBE 102	2766-37(102)	(20.32)	.454	(3.56)	(6.50) .256	90°		A-4094-NF	102	2766-37(102)	(20.32) .800	.482	.121	.248	90°			G
d	A-4094-NBE501	2766-37(501)	(20,32)	(11.53)	(3.56)	(6.50)	90°		A-4094-NF	4-4094-NRG501 276		501)	(20.85)	(12.32)	(3.53)	(6.30)	900			"
	A-4094-NBF I02	2766-41(102)	.800	.454	.140	.256 (7.87)	90°		A-4094-NW	102	2766-37(102)	(20.32)	(9.30)	(3.61)	(8.71)	90°			
F			.736	.366	.110	.310	90°		A-4094-NZ		2766-3(10		.800	.366	.142	.343	900			
	A-4094-NBF501	2766-4 ((501)	.736 (20.32)	.366	.110	.310 (7.57)							.687	.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 102	4166-38(1	02)	1.063	.366	.124	.623	90°			<u> </u>
	A-4094-NBJ102	2766-4 ((102)	.736	- (9.42) -	.143	.273	90°		A-4094-ND	B 102	4166-300	102)	(30.48) I.200	.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	IDD 102	2766-600	102)	(23.24)	(9.53)	(8.64)	(6.35)	900			
			.625	.228	.160	.248 (5.82)	105°		A-4094-NA	PIN2	2766-260	I02)	.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			.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	IAT501	2766-4105	:766-41(501)	.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 IO2 A-4094-NDG IO2		501)	.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°			С
	A-4094-NCE 102	2766-54(102)	(17.86) .703	(9.14)	(3.91)	(6.10) .240	90°		A-4094-ND			102)	(12.70) .500	(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	
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A-4094-NA 102			A-409	A-	A-4094-NAB102			A-4094-NAC 102		A-4094-NAJ102		J 102	A-4094-NAL 102				
J	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PAR.	T NO.	ENG. NO.	.	PART NO.	ENG.	NO.	PART NO	. ENG	3. NO.	PART NO.	ENG. NO.	ر
	22-05-2021 * A-4094-2A102		22-12-2021			5-2026	A-4094-2AE	3102		A-4094	A-4094-2AC102		A-4094-2AJI02		22-05-2027 A-4094-2AL IO2		
	22-05-203 I * A-4094-3A IO2		22-12-2031 * A-4094-3A501		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	3 102		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		* A-4094-5A50	22-0	5-2056	A-4094-5A	3 102		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-4094-6A	B 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	05-2076	A-4094-7A	3102		A-4094	-7AC IO2	22-05-30	78 A-409	94-7AJ102	22-05-2077	A-4094-7AL 102	
	22-05-2081 *	A-4094-8A IO2	22-12-2081 * A-4094-8A501		22-0	05-2086	A-4094-8AE	3102		A-4094	-8AC102	22-05-30		4-8AJ102	22-05-2087 A-4094-8AL I		
	22-05-2091 *	A-4094-9A IO2	22-12-2091	* A-4094-9A50	22-0	5-2096	A-4094-9A	3 102		A-4094	-9AC 102	22-05-30	98 A-409	14-9AJ102	22-05-2097	A-4094-9AL 102	
	22-05-2 O * A-4094- O A IO2		22-12-2101)5-2106	A-4094-10 <i>A</i>	AB 102		A-4094	- IOAC IO2	22-05-310	8 A-409	4-4094-10AJ102	22-05-2107	A-4094-IOAL IO2	
н	22-05-2111 *	A-4094-11A102	22-12-2111 * A-4094-11A501		1 22-0	05-2116	A-4094-11A	B 102		A-4094		22-05-31	8 A-409	A-4094-11AJ102	22-05-2117	A-4094-11AL 102	. Н
	22-05-2 2 * A-4094- 2A 02 22-05-2 3 * A-4094- 3A 02		l	* A-4094-12A5C	-	05-2126	A-4094-12A			A-4094	- I2AC I02	22-05-312		14- 12AJ 102	22-05-2127	A-4094-12AL102	↓ ''
				* A-4094-I3A50		05-2136	A-4094-13A				- I3AC I02	22-05-313		14-13AJ102	22-05-2137	A-4094-I3AL I02	<u> </u>
		A-4094-14A102		* A-4094-14A5C	-)5-2146	A-4094-14A				- I4AC IO2	22-05-314		14- 14AJ 102	22-05-2147	A-4094-14AL102	↓
		A-4094-15A102	22-12-2151	* A-4094-I5A50		05-2156	A-4094-15A				- I5AC IO2	22-05-315		14-15AJ 102	22-05-2157	A-4094-I5AL I02	↓
-	22-05-2161 * A-4094-16A102		22-12-2161	* A-4094-16A50		05-2166	A-4094-16A				- I6AC I02	22-05-316		14-16AJ102	22-05-2167 A-4094	A-4094-16AL 102	↓
G		A-4094-17A102		* A-4094-17A50)5-2176	A-4094-17A			A-4094	- I7AC IO2	22-05-317		14- 17AJ 102	22-05-2177	A-4094-17AL102] 6
		A-4094-18A102		* A-4094-18A5C		05-2186	A-4094-18A				- I8AC IO2	22-05-318		94-18AJ102	22-05-2187	A-4094-18AL102	1
		A-4094-19A102	· -	* A-4094-19A5C	-	05-2196	A-4094-19A				- I9AC IO2	22-05-319		94-19AJ102	22-05-2197	A-4094-19AL102	
		A-4094-20A IO2	l — — — — — — — — — — — — — — — — — — —	* A-4094-20A50	-	05-2206	A-4094-20				-20AC 102	22-05-32		14-20AJ102	22-05-2207	A-4094-20AL IO2	41
		A-4094-21A102		* A-4094-21A5C		05-2216	A-4094-2 IA				-2 IAC IO2	22-05-32		14-2 IAJ 102	22-05-2217	A-4094-21AL102	41
F		A-4094-22A IO2	l	* A-4094-22A50		05-2226	A-4094-22				-22ACI02	22-05-32		4-22AJ102	22-05-2227	A-4094-22AL IO2	
		A-4094-23A IO2	l	* A-4094-23A50	-	05-2236	A-4094-23				-23AC IO2	22-05-32		14-23AJ 102	22-05-2237	A-4094-23AL 102	41
		A-4094-24A IO2	22-12-2241	* A-4094-24A50		05-2246	A-4094-24				-24ACI02	22-05-32		14-24AJ 102	22-05-2247	A-4094-24AL IO2	41
	_	A-4094-25A IO2	22-12-2251	* A-4094-25A50		05-2256	A-4094-25				-25ACI02	22-05-32		14-25AJ 102	22-05-2257	A-4094-25AL IO2	-
	22-05-2261	A-4094-26A IO2	22-12-2261	A-4094-26A50	-	05-2266	A-4094-26	_			-26AC IO2	22-05-32		4-26AJ 102	22-05-2267	A-4094-26AL IO2	-
Ε	22-05-2271	A-4094-27A IO2	22-12-2271	A-4094-27A50	-	05-2276	A-4094-27				-27ACI02	22-05-32		14-27AJ 102	22-05-2277	A-4094-27AL 102	ŀΕ
	22-05-2281	A-4094-28A IO2		A-4094-28A50)1 22-0	05-2286	A-4094-28A	4R IOS		A-4094	-28AC IO2	22-05-32	38 A-409	14-28AJ102	22-05-2287	A-4094-28AL 102	_
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