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Part Number: [0022052201](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Wire-to-Board Header, Single Row, Right Angle, 20 Circuits, PA Polyamide Nylon, Tin (Sn) Plating

Documents:

- | | |
|---|--|
| 3D Model | Product Specification PS-10-07 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Packaging Specification (PDF) | |

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	4094
Application	Board-to-Board, Wire-to-Board
Product Name	KK®

Physical

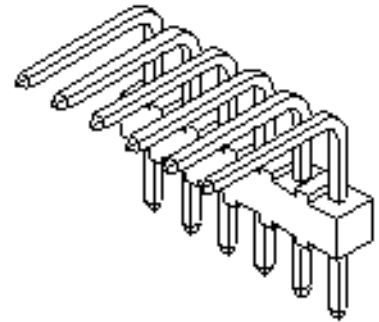
Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Natural (White)
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
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
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
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Series
image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

Not Reviewed

**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.

China RoHS



Search Parts in this Series
[4094Series](#)

Mates With
[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#)

Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

Material Info

Old Part Number	A-4094-20A102
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Reference - Drawing Numbers

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

This document was generated on 04/08/2010

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	13	12	11	10	9	8	7	6	5	4	3	2	1									
J	ENG. NO.	PIN NO.	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	J				
I	A-4094-NA102	2766-3(102)	(17.45) .687	(9.30) .366	(3.15) .124	(6.30) .248	90°			A-4094-NCM501	2766-1(501)	(14.22) .560	(4.47) .176	(5.92) .233	(5.11) .201	90°						
	A-4094-NA501	2766-3(501)	(17.45) .687	(9.30) .366	(3.15) .124	(6.30) .248	90°			A-4094-NCN501	2766-53(501)	(20.85) .821	SEE SHT. 7				90°					
	A-4094-NAB102	2766-40(102)	(23.80) .937	(14.99) .590	(3.78) .149	(6.30) .248	90°			A-4094-NCR501	2766-73(501)	(22.71) .894	(13.92) .548	(3.48) .137	(6.60) .260	90°						
	A-4094-NAC102	2766-54(102)	(17.86) .703	(9.68) .381	(4.32) .170	(5.13) .202	90°			A-4094-NCS501	4166-74(501)	(31.24) 1.230	(22.23) .875	(3.71) .146	(6.60) .260	90°						
H	A-4094-NAJ102	2766-8(102)	(21.39) .842	(10.19) .401	(4.09) .161	(8.41) .331	90°			A-4094-NCV501	2766-28(501)	(15.88) .625	(7.65) .301	(3.23) .127	(6.30) .248	90°						
	A-4094-NAL102	2766-8(102)	(21.39) .842	(12.47) .491	(3.91) .154	(6.30) .248	90°			A-4094-NCY508	SEE SHT. 8					90°						
	A-4094-NAM102	2766-3(102)	(17.45) .687	(4.93) .194	(7.29) .287	(6.53) .257	90°			A-4094-NCZ501	2766-3(501)	(17.45) .687	(9.30) .366	(2.31) .091	(7.11) .280	90°						
	A-4094-NAP102	2766-3(102)	(17.45) .687	(8.41) .331	(3.78) .149	(6.55) .258	90°			A-4094-NJ102	2766-28(102)	(15.88) .625	(6.63) .261	(3.02) .119	(9.73) .383	55°						
G	A-4094-NB102	2766-43(102)	(13.46) .530	(4.85) .191	(3.61) .142	(6.30) .248	90°			A-4094-NM102	2766-3(102)	(17.45) .687	(7.44) .293	(2.84) .112	(8.46) .333	90°						
	A-4094-NBE102	2766-37(102)	(20.32) .800	(11.53) .454	(3.56) .140	(6.50) .256	90°			A-4094-NR102	2766-37(102)	(20.32) .800	(12.24) .482	(3.07) .121	(6.30) .248	90°						
	A-4094-NBE501	2766-37(501)	(20.32) .800	(11.53) .454	(3.56) .140	(6.50) .256	90°			A-4094-NRG501	2766-53(501)	(20.85) .821	(12.32) .485	(3.53) .139	(6.30) .248	90°						
	A-4094-NBF102	2766-4(102)	(18.69) .736	(9.30) .366	(2.79) .110	(7.87) .310	90°			A-4094-NW102	2766-37(102)	(20.32) .800	(9.30) .366	(3.61) .142	(8.71) .343	90°						
F	A-4094-NBF501	2766-4(501)	(18.69) .736	(9.30) .366	(2.79) .110	(7.87) .310	90°			A-4094-NZ102	2766-3(102)	(17.45) .687	(5.13) .202	(7.95) .313	(5.66) .223	90°						
	A-4094-NBH102	2766-37(102)	(20.32) .800	(11.71) .461	(2.31) .091	(7.57) .298	90°			A-4094-NH102	2766-1(102)	(14.22) .560	(5.23) .206	(3.96) .156	(6.30) .248	90°						
	A-4094-NBK103	4166-11(103)	(16.51) .650	(5.00) .197	(7.67) .302	(5.13) .202	90°			A-4094-NDA102	4166-38(102)	(27.00) 1.063	(9.30) .366	(3.15) .124	(15.82) .623	90°						
	A-4094-NBJ102	2766-4(102)	(18.69) .736	(9.42) .371	(3.63) .143	(6.93) .273	90°			A-4094-NDB102	4166-30(102)	(30.48) 1.200	(9.30) .366	(3.07) .121	(9.38) .763	90°						
E	A-4094-NBJ501	2766-4(501)	(18.69) .736	(9.42) .371	(3.63) .143	(6.93) .273	90°			A-4094-NDC102	2766-40(102)	(23.80) .937	(12.70) .500	(3.15) .124	(9.22) .363	90°						
	A-4094-NBL102	2766-8(102)	(21.39) .842	(3.81) .150	(3.05) .120	(17.60) .693	25°			A-4094-NA508	2766-3(508)	(17.45) .687	(9.30) .366	(3.15) .124	(6.30) .248	90°						
	A-4094-NBM102	2766-28(102)	(15.88) .625	(5.79) .228	(4.06) .160	(6.30) .248	139°			A-4094-NDD102	2766-60(102)	(23.24) .915	(9.53) .375	(8.64) .340	(6.35) .250	90°						
	A-4094-NBP102	2766-3(102)	(17.45) .687	(9.07) .357	(7.87) .310	(5.82) .229	105°			A-4094-NAR102	2766-26(102)	(14.99) .590	(4.06) .160	(8.03) .316	(4.09) .161	90°						
D	A-4094-NBR501	2766-52(501)	(14.61) .575	(9.30) .366	(1.63) .064	(4.90) .193	90°			A-4094-NAT102	2766-4(102)	(18.69) .736	(8.26) .325	(3.28) .129	(12.75) .502	45°						
	A-4094-NBT102	2766-39(102)	(12.70) .500	(6.38) .251	(2.79) .110	(4.78) .188	90°			A-4094-NAT501	2766-4(501)	(18.69) .736	(8.26) .325	(3.28) .129	(12.75) .502	45°						
	A-4094-NCA102	2766-57(102)	(13.84) .545	(5.23) .206	(3.61) .142	(6.30) .248	90°			A-4094-NDE501	2766-73(501)	(22.71) .894	(9.98) .393	(3.00) .118	(11.00) .433	90°						
	A-4094-NCC102	2766-73(102)	(22.71) .894	(10.74) .423	(3.25) .128	(13.61) .536	60°			A-4094-NDF102	2766-16(102)	(22.23) .875	(6.12) .241	(11.05) .435	(6.35) .250	90°						
C	A-4094-NCE102	2766-54(102)	(17.86) .703	(9.14) .360	(3.91) .154	(6.10) .240	90°			A-4094-NDG102	2766-39(102)	(12.70) .500	(4.60) .181	(3.10) .122	(6.30) .248	90°						
	A-4094-NCM102	2766-1(102)	(14.22) .560	(4.47) .176	(5.92) .233	(5.11) .201	90°			A-4094-NBK102	4166-11(102)	(16.51) .650	(5.00) .197	(7.67) .302	(5.13) .202	90°						
	B	UPDATE TITLE BLOCK EC NO: UCP2005-2329 DRAWN:ADRR 2005/07/26 CHKD:LSHMI DT 2005/07/27 APPR:FSM TH 2005/07/27 REV AD1						QUALITY SYMBOLS ▽=0 ▽=0 DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ±1/2°		DIMENSION STYLE MM/IN DRAWN BY DATE KSS 1984/09/10 CHECKED BY DATE NP 1984/09/10 APPROVED BY DATE KJA 1984/09/10 MATERIAL NO. DOCUMENT NO. SHEET NO. 2 OF 14		SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION		WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING MOLEX INCORPORATED							
																	A	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART SDA-4094		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						
		13	12	11	10	9	8	7	6	5	4	3	2	1								

	13	12	11	10	9	8	7	6	5	4	3	2	1	
	A-4094-NA I02		A-4094-NA50 I		A-4094-NAB I02		A-4094-NAC I02		A-4094-NAJ I02		A-4094-NAL I02			
J	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	J	
	22-05-202 I	A-4094-2A I02	22- I2-202 I	A-4094-2A50 I	22-05-2026	A-4094-2AB I02		A-4094-2AC I02		A-4094-2AJ I02	22-05-2027	A-4094-2AL I02		
	22-05-203 I	A-4094-3A I02	22- I2-203 I	A-4094-3A50 I	22-05-2036	A-4094-3AB I02		A-4094-3AC I02		A-4094-3AJ I02	22-05-2037	A-4094-3AL I02		
	22-05-204 I	A-4094-4A I02	22- I2-204 I	A-4094-4A50 I	22-05-2046	A-4094-4AB I02		A-4094-4AC I02		A-4094-4AJ I02	22-05-2047	A-4094-4AL I02		
I	22-05-205 I	A-4094-5A I02	22- I2-205 I	A-4094-5A50 I	22-05-2056	A-4094-5AB I02		A-4094-5AC I02		A-4094-5AJ I02	22-05-2057	A-4094-5AL I02	I	
	22-05-206 I	A-4094-6A I02	22- I2-206 I	A-4094-6A50 I	22-05-2066	A-4094-6AB I02		A-4094-6AC I02		A-4094-6AJ I02	22-05-2067	A-4094-6AL I02		
	22-05-207 I	A-4094-7A I02	22- I2-207 I	A-4094-7A50 I	22-05-2076	A-4094-7AB I02		A-4094-7AC I02		A-4094-7AJ I02	22-05-2077	A-4094-7AL I02		
	22-05-208 I	A-4094-8A I02	22- I2-208 I	A-4094-8A50 I	22-05-2086	A-4094-8AB I02		A-4094-8AC I02		A-4094-8AJ I02	22-05-2087	A-4094-8AL I02		
	22-05-209 I	A-4094-9A I02	22- I2-209 I	A-4094-9A50 I	22-05-2096	A-4094-9AB I02		A-4094-9AC I02		A-4094-9AJ I02	22-05-2097	A-4094-9AL I02		
H	22-05-2 I0 I	A-4094- I0A I02	22- I2-2 I0 I	A-4094- I0A50 I	22-05-2 I06	A-4094- I0AB I02		A-4094- I0AC I02		A-4094- I0AJ I02	22-05-2 I07	A-4094- I0AL I02	H	
	22-05-2 I I I	A-4094- I I A I02	22- I2-2 I I I	A-4094- I I A50 I	22-05-2 I I6	A-4094- I I AB I02		A-4094- I I AC I02		A-4094- I I AJ I02	22-05-2 I I7	A-4094- I I AL I02		
	22-05-2 I2 I	A-4094- I2A I02	22- I2-2 I2 I	A-4094- I2A50 I	22-05-2 I26	A-4094- I2AB I02		A-4094- I2AC I02		A-4094- I2AJ I02	22-05-2 I27	A-4094- I2AL I02		
	22-05-2 I3 I	A-4094- I3A I02	22- I2-2 I3 I	A-4094- I3A50 I	22-05-2 I36	A-4094- I3AB I02		A-4094- I3AC I02		A-4094- I3AJ I02	22-05-2 I37	A-4094- I3AL I02		
	22-05-2 I4 I	A-4094- I4A I02	22- I2-2 I4 I	A-4094- I4A50 I	22-05-2 I46	A-4094- I4AB I02		A-4094- I4AC I02		A-4094- I4AJ I02	22-05-2 I47	A-4094- I4AL I02		
	22-05-2 I5 I	A-4094- I5A I02	22- I2-2 I5 I	A-4094- I5A50 I	22-05-2 I56	A-4094- I5AB I02		A-4094- I5AC I02		A-4094- I5AJ I02	22-05-2 I57	A-4094- I5AL I02		
G	22-05-2 I6 I	A-4094- I6A I02	22- I2-2 I6 I	A-4094- I6A50 I	22-05-2 I66	A-4094- I6AB I02		A-4094- I6AC I02		A-4094- I6AJ I02	22-05-2 I67	A-4094- I6AL I02	G	
	22-05-2 I7 I	A-4094- I7A I02	22- I2-2 I7 I	A-4094- I7A50 I	22-05-2 I76	A-4094- I7AB I02		A-4094- I7AC I02		A-4094- I7AJ I02	22-05-2 I77	A-4094- I7AL I02		
	22-05-2 I8 I	A-4094- I8A I02	22- I2-2 I8 I	A-4094- I8A50 I	22-05-2 I86	A-4094- I8AB I02		A-4094- I8AC I02		A-4094- I8AJ I02	22-05-2 I87	A-4094- I8AL I02		
	22-05-2 I9 I	A-4094- I9A I02	22- I2-2 I9 I	A-4094- I9A50 I	22-05-2 I96	A-4094- I9AB I02		A-4094- I9AC I02		A-4094- I9AJ I02	22-05-2 I97	A-4094- I9AL I02		
	22-05-220 I	A-4094-20A I02	22- I2-220 I	A-4094-20A50 I	22-05-2206	A-4094-20AB I02		A-4094-20AC I02		A-4094-20AJ I02	22-05-2207	A-4094-20AL I02		
F	22-05-22 I I	A-4094-2 I A I02	22- I2-22 I I	A-4094-2 I A50 I	22-05-22 I6	A-4094-2 I AB I02		A-4094-2 I AC I02		A-4094-2 I AJ I02	22-05-22 I7	A-4094-2 I AL I02	F	
	22-05-222 I	A-4094-22A I02	22- I2-222 I	A-4094-22A50 I	22-05-2226	A-4094-22AB I02		A-4094-22AC I02		A-4094-22AJ I02	22-05-2227	A-4094-22AL I02		
	22-05-223 I	A-4094-23A I02	22- I2-223 I	A-4094-23A50 I	22-05-2236	A-4094-23AB I02		A-4094-23AC I02		A-4094-23AJ I02	22-05-2237	A-4094-23AL I02		
	22-05-224 I	A-4094-24A I02	22- I2-224 I	A-4094-24A50 I	22-05-2246	A-4094-24AB I02		A-4094-24AC I02		A-4094-24AJ I02	22-05-2247	A-4094-24AL I02		
	22-05-225 I	A-4094-25A I02	22- I2-225 I	A-4094-25A50 I	22-05-2256	A-4094-25AB I02		A-4094-25AC I02		A-4094-25AJ I02	22-05-2257	A-4094-25AL I02		
	22-05-226 I	A-4094-26A I02	22- I2-226 I	A-4094-26A50 I	22-05-2266	A-4094-26AB I02		A-4094-26AC I02		A-4094-26AJ I02	22-05-2267	A-4094-26AL I02		
E	22-05-227 I	A-4094-27A I02	22- I2-227 I	A-4094-27A50 I	22-05-2276	A-4094-27AB I02		A-4094-27AC I02		A-4094-27AJ I02	22-05-2277	A-4094-27AL I02	E	
	22-05-228 I	A-4094-28A I02	22- I2-228 I	A-4094-28A50 I	22-05-2286	A-4094-28AB I02		A-4094-28AC I02		A-4094-28AJ I02	22-05-2287	A-4094-28AL I02		
D													D	
C													C	
B													B	
A													A	
UPDATE TITLE BLOCK EC NO: UCP2005-2329 DRWNADERR CHYKDL SCHM IDT APPRFSM TH 2005/07/26 2005/07/27 2005/07/27 REV AD1 QUALITY SYMBOLS ▽=0 ▽=0 DESCRIPTION GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES 3 PLACES 2 PLACES 1 PLACE ± --- ± --- ± --- ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM/IN DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE MATERIAL NO. DOCUMENT NO. SHEET NO. 4 OF 14 SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION TITLE WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING MOLEX MOLEX INCORPORATED SEE CHART SDA-4094 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
ib_frame_C_P_ME_T	12	11	10	9	8	7	6	5	4	3	2	1		