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ELECTRONICS

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Jameco Part Number 878631

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 28 circuits
- 4094 with voids is 4494 Series
- Various pin lengths available
- Voided circuits available (contact Molex)

Reference Information

Product Specification: PS-10-07
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: 2695, 4455, 6471, 7720 and 7880
 Designed In: Inches

Electrical

Voltage: 250V
 Current: 4.0A
 Contact Resistance: 20mΩ max.
 Dielectric Withstanding Voltage: 1500V
 Insulation Resistance: 50K MΩ min.

Mechanical

Durability:
 Tin—25 cycles max.
 Gold—100 cycles max.

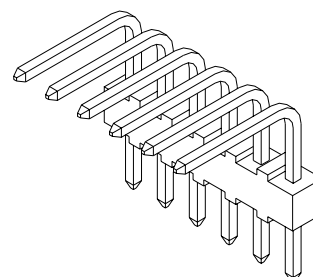
Physical

Housing: White nylon, UL 94V-0
 Contact: Brass, 0.64mm (.025") square
 Plating: See Table
 Operating Temperature: 0 to +75°C

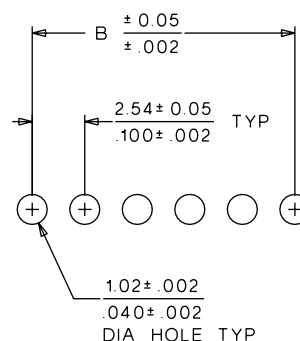
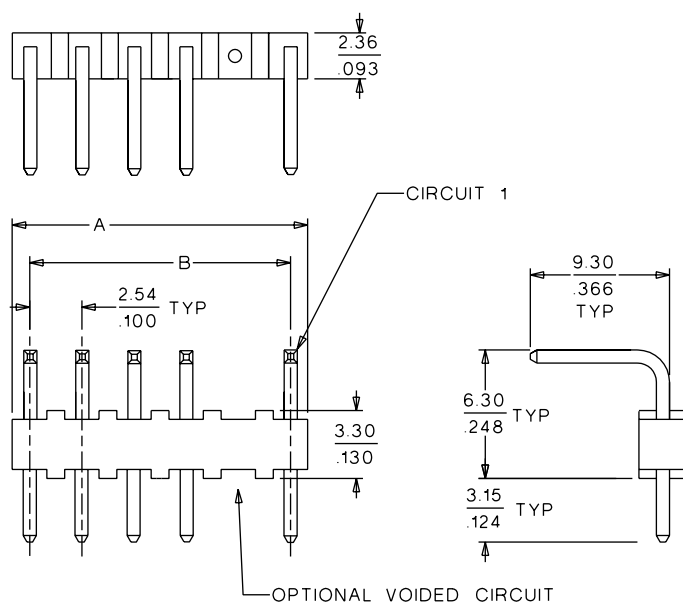


2.54mm (.100") Pitch KK® Solid Header

4094 Right Angle



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE
 RECOMMENDED PCB THICKNESS:

1.57 ± 0.18
 .062 ± .007

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.		Dimension	
	4094		A	B
	Tin	Gold		
2	• 22-05-2021	• 22-12-2021	4.83 (.190)	2.54 (.100)
3	• 22-05-2031	• 22-12-2031	7.37 (.290)	5.08 (.200)
4	• 22-05-2041	• 22-12-2041	9.91 (.390)	7.62 (.300)
5	• 22-05-2051	• 22-12-2051	12.45 (.490)	10.16 (.400)
6	• 22-05-2061	• 22-12-2061	14.99 (.590)	12.70 (.500)
7	• 22-05-2071	• 22-12-2071	17.53 (.690)	15.24 (.600)
8	• 22-05-2081	• 22-12-2081	20.07 (.790)	17.78 (.700)
9	• 22-05-2091	• 22-12-2091	22.61 (.890)	20.32 (.800)
10	• 22-05-2101	• 22-12-2101	25.15 (.990)	22.86 (.900)
11	• 22-05-2111	• 22-12-2111	27.69 (1.090)	25.40 (1.000)
12	• 22-05-2121	• 22-12-2121	30.23 (1.190)	27.94 (1.100)
13	• 22-05-2131	• 22-12-2131	32.77 (1.290)	30.48 (1.200)
14	• 22-05-2141	• 22-12-2141	35.31 (1.390)	33.02 (1.300)

Circuits	Order No.		Dimension	
	4094		A	B
	Tin	Gold		
15	• 22-05-2151	• 22-12-2151	37.85 (1.490)	35.56 (1.400)
16	• 22-05-2161	• 22-12-2161	40.39 (1.590)	38.10 (1.500)
17	• 22-05-2171	• 22-12-2171	42.93 (1.690)	40.64 (1.600)
18	• 22-05-2181	• 22-12-2181	45.47 (1.790)	43.18 (1.700)
19	• 22-05-2191	• 22-12-2191	48.01 (1.890)	45.72 (1.800)
20	• 22-05-2201	• 22-12-2201	50.55 (1.990)	48.26 (1.900)
21	• 22-05-2211	• 22-12-2211	53.09 (2.090)	50.80 (2.000)
22	• 22-05-2221	• 22-12-2221	55.63 (2.190)	53.34 (2.100)
23	• 22-05-2231	• 22-12-2231	58.17 (2.290)	55.88 (2.200)
24	• 22-05-2241	• 22-12-2241	60.71 (2.390)	58.42 (2.300)
25	• 22-05-2251	• 22-12-2251	63.25 (2.490)	60.96 (2.400)
26	• 22-05-2261	• 22-12-2261	65.79 (2.590)	63.50 (2.500)
27	• 22-05-2271	• 22-12-2271	68.33 (2.690)	66.04 (2.600)
28	• 22-05-2281	• 22-12-2281	70.87 (2.790)	68.58 (2.700)

• US Standard Product, available through Molex franchised distributors

Note: In the Far East the polyester product has different Engineering No. and Order No.



PRODUCT SPECIFICATION

1.0 SCOPE

This Product Specification covers the 2.54 mm (.100 inch) centerline (pitch) 0.64 mm (.025) square pin headers when mated with either printed circuit board (PCB) connectors or connectors terminated with 22 to 28 AWG wire using crimp technology.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT NAME AND SERIES NUMBERS

Crimp Terminals: 2759, 41572, 6459

Crimp Housings: 2695

PCB Connectors: 4455, 42625

Headers: 4030, 4094, 6373, 7478, 42225, 42226, 42227, 42228, 42152, 42153, 42375, 42376, 42377, 42624.

Other products conforming to this specification are noted on the individual drawings.

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

Terminal Material: Brass or Phos. Bronze (for Max performance use phos bronze material.)

Housing: Nylon or Polyester

Pins: Brass or Phos. Bronze

For more information on dimensions, materials, and plating see the individual drawings.

2.3 SAFETY AGENCY APPROVALS

UL File Number E29179

CSALR19980

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

None

4.0 RATINGS

4.1 VOLTAGE

250 Volts

4.2 CURRENT AND APPLICABLE WIRES (Current is dependent on connector size, contact material, plating, ambient temperature, printed circuit board characteristics and related factors. Actual current rating is application dependent and should be evaluated for each application.)

AWG	Amps (Max)	Outside Insulation Diameter
22	4.00	See Drawings
24	3.75	See Drawings
26	3.50	See Drawings
28	3.00	See Drawings

4.3 TEMPERATURE (ambient + 30° temp rise)

Operating: 0°C to +75°C

Nonoperating: - 40°C to +105°C

REVISION: P	ECR/ECN INFORMATION: EC No: UCR2002-0299 DATE: 2001 / 09 / 18	TITLE: PRODUCT SPECIFICATION .100 CENTER KK CONNECTORS	SHEET No. 1 of 5
DOCUMENT NUMBER: PS-10-07	CREATED / REVISED BY: SAMIEC	CHECKED BY: MUELLER	APPROVED BY: MARGULIS



PRODUCT SPECIFICATION

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Contact Resistance (Low Level)	Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA.	10 milliohms MAXIMUM [initial]
Contact Resistance of Wire Termination (Low Level)	Terminate the applicable wire to the terminal and measure wire using a voltage of 20 mV and a current of 100 mA.	2 milliohms MAXIMUM [initial]
Insulation Resistance	Unmate & unmount connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM
Dielectric Withstanding Voltage	Unmate connectors: apply a voltage of {two times the rated voltage plus 1000 volts} VAC for 1 minute between adjacent terminals and between terminals to ground.	No breakdown
Capacitance	Measure between adjacent terminals at 1 MHz.	2 picofarads MAXIMUM
Temperature Rise (via Current Cycling)	Mate connectors: measure the temperature rise at the rated current after: 1) 96 hours (steady state) 2) 240 hours (45 minutes ON and 15 minutes OFF per hour) 3) 96 hours (steady state)	Temperature rise: +30°C MAXIMUM

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DOCUMENT NUMBER: PS-10-07	CREATED / REVISED BY: SAMIEC	CHECKED BY: MUELLER	APPROVED BY: MARGULIS



PRODUCT SPECIFICATION

5.2 MECHANICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Connector Mate and Unmate Forces	Per circuit when mated to an .025 Sq. pin. Mate and unmate connector (male to female) at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch) per minute.	1.95 N (0.438 lbf) MAXIMUM insertion force & 0.56 N (0.125 lbf) MINIMUM withdrawal force
Terminal Retention Force (in Housing)	Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch) per minute. (Forces will change with platings and materials.)	17.8 N (4.0 lbf) MINIMUM withdrawal force
Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch). (Forces will change with platings and materials.)	6.67 N (1.5 lbf) MAXIMUM insertion force
Durability	Mate connectors up to 25 cycles at a maximum rate of 10 cycles per minute prior to Environmental Tests.	10 milliohms MAXIMUM (change from initial)
Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
Shock (Mechanical)	Mate connectors and shock at 50 g's with $\frac{1}{2}$ sine wave (11 milliseconds) shocks in the $\pm X, \pm Y, \pm Z$ axes (18 shocks total).	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch). (For maximum performance use Molex application tooling with stranded tinned copper wire)	22 awg = 44 N (10 lbf) 24 awg = 35 N (8 lbf) 26 awg = 26 N (6 lbf) 28 awg = 17 N (4 lbf) 30 awg = 13 N (3 lbf)
Normal Force	Apply a perpendicular force.	2.94 N (300 grams) average

REVISION: P	ECR/ECN INFORMATION: EC No: UCR2002-0299 DATE: 2001 / 09 / 18	TITLE: PRODUCT SPECIFICATION .100 CENTER KK CONNECTORS	SHEET No. 3 of 5
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PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT										
Shock (Thermal)	Mate connectors; expose to 5 cycles of: <table><tr><th>Temperature °C</th><th>Duration (Minutes)</th></tr><tr><td>-40 +0/-3</td><td>30</td></tr><tr><td>+25 ±10</td><td>5 MAXIMUM</td></tr><tr><td>+105 +3/-0</td><td>30</td></tr><tr><td>+25 ±10</td><td>5 MAXIMUM</td></tr></table>	Temperature °C	Duration (Minutes)	-40 +0/-3	30	+25 ±10	5 MAXIMUM	+105 +3/-0	30	+25 ±10	5 MAXIMUM	10 milliohms MAXIMUM (change from initial) & Visual: No Damage
Temperature °C	Duration (Minutes)											
-40 +0/-3	30											
+25 ±10	5 MAXIMUM											
+105 +3/-0	30											
+25 ±10	5 MAXIMUM											
Thermal Aging	Mate connectors; expose to: 96 hours at 105 ± 2°C	10 milliohms MAXIMUM (change from initial]) & Visual: No Damage										
Humidity (Steady State)	Mate connectors: expose to a temperature of 40 ± 2°C with a relative humidity of 90-95% for 96 hours. Note: Remove surface moisture and air dry for 1 hour prior to measurements.	10 milliohms MAXIMUM (change from initial) & Dielectric Withstanding Voltage: No Breakdown at 500 VAC & Insulation Resistance: 1000 Megohms MINIMUM & Visual: No Damage										
Humidity (Cyclic)	Mate connectors: cycle per EIA-364-31: 24 cycles at temperature 25 ± 3°C at 80 ± 5% relative humidity and 65 ± 3°C at 50 ± 5% relative humidity; dwell time of 1.0 hour; ramp time of 0.5 hours. {Note: Remove surface moisture and air dry for 1 hour prior to measurements.}	10 milliohms MAXIMUM (change from initial) & Dielectric Withstanding Voltage: No Breakdown at 500 VAC & Insulation Resistance: 1000 Megohms MINIMUM & Visual: No Damage										
Solderability	Per SMES-152	Solder coverage: 95% MINIMUM (per SMES-152)										

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PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Solder Resistance	Dip connector terminal tails in solder: Solder Duration: 5 ± 0.5 seconds; Solder Temperature: 230 ± 5°C	Visual: No Damage to insulator material
Salt Spray	Mate connectors: Duration: 48 hours exposure; Atmosphere: salt spray from a 5% solution; Temperature: 35 +1/-2°C	10 milliohms MAXIMUM (change from initial) & Visual: No Damage
Cold Resistance	Mate connectors: Duration: 96 hours; Temperature: -40 ± 3°C	10 milliohms MAXIMUM (change from initial) & Visual: No Damage
Corrosive Atmosphere: Flowing Mixed Gas (FMG)	Mate connectors: Test per EIA-364-65, method 2A	10 milliohms MAXIMUM (change from initial) & Visual: No Damage

6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.

7.0 GAGES AND FIXTURES

8.0 OTHER

REVISION: P	ECR/ECN INFORMATION: EC No: UCR2002-0299 DATE: 2001 / 09 / 18	TITLE: PRODUCT SPECIFICATION .100 CENTER KK CONNECTORS	SHEET No. 5 of 5
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13 12 11 10 9 8 7 6 5 4 3 2 1

J

I

H

G

F

E

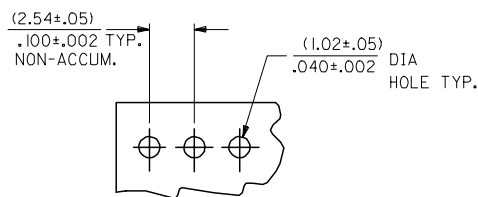
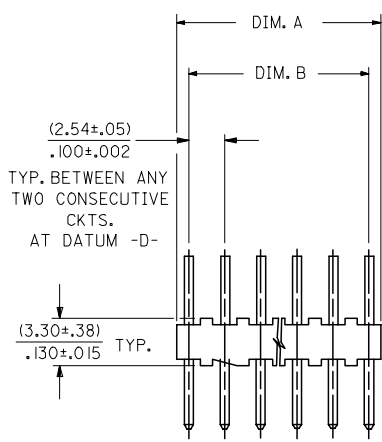
D

C

B

A

CENTERLINE OF PIN IN AREA SHOWN
NOT TO VARY FROM CENTERLINE
OF PIN AT DATUM -E- BY
MORE THAN (0.20)/.008 IN ANY DIRECTION



RECOMMENDED P.C. BOARD HOLE DIMENSIONS

NOTES:

1. MATERIAL: NYLON, UL 94V-0, COLOR: WHITE
2. FINISH:
 - (102) OVERALL TIN: 0.00508/.000200 MIN. OVER COPPER UNDERPLATE: 0.00254/.000100 MIN. OVERALL TIN: 0.00508/.000200 MIN. OVER COPPER UNDERPLATE: 0.00127/.000050 MIN.
 - (103) OVERALL GOLD: 0.00051/.000020 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN. OVERALL GOLD: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00127/.000050 MIN.
 - (501) OVERALL GOLD: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00127/.000050 MIN.
 - (503) OVERALL GOLD: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00127/.000050 MIN.
 - (508) OVERALL GOLD: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00127/.000050 MIN.
 - (516) OVERALL GOLD: 0.00025/.000010 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN.
3. PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
4. PACKAGING INFORMATION: SEE LEGEND.
5. PINS MUST CONFORM TO SOLDERABILITY SPECIFICATION SMES-152.
6. PIN PUSHOUT FORCE: 2 LBS. MIN.
7. PARTS ARE STACKABLE END TO END AND SIDE TO SIDE ON (2.54)/.100 CENTERS.
8. THE PRIMARY SHIPPING CARTON WILL BE LABELED, "COMPLIANT TO ROHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC." CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.

VERSION
LETTER CHANGES WHEN PIN
NO. OR PRESS DIM. CHANGES.

PLATING CODE
PER SDES-88.

A-4094-N * * *
NO. OF CKTS.

SECONDARY OPERATIONS	
CODE	PACKAGE
BLANK	BULK PER PK-4094-001
A	PK-40873-0020

UPDATE PER ECN EC NO: UCP2005-2329 DRAWN: AD1 CHKD: SCHMIDT APPR: FSI TH	2005/07/26 2005/07/27 2005/07/27	QUALITY SYMBOLS ▽=0 ▽=0	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. 1 OF 14	SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION WAVER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING MOLEX INCORPORATED SDA-4094 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
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CKTS. NO. OF	DIM. B	DIM. A
2	.100 ± .002 (2.54 ± .05)	.190 ± .008 (4.83 ± .20)
3	.200 ± .005 (5.08 ± .13)	.290 ± .008 (7.37 ± .20)
4	.300 ± .005 (7.62 ± .13)	.390 ± .008 (9.91 ± .20)
5	.400 ± .005 (10.16 ± .13)	.490 ± .008 (12.45 ± .20)
6	.500 ± .006 (12.70 ± .15)	.590 ± .009 (14.99 ± .23)
7	.600 ± .006 (15.24 ± .15)	.690 ± .009 (17.53 ± .23)
8	.700 ± .006 (17.78 ± .15)	.790 ± .009 (20.07 ± .23)
9	.800 ± .007 (20.32 ± .18)	.890 ± .010 (22.61 ± .25)
10	.900 ± .007 (22.86 ± .18)	.990 ± .010 (25.15 ± .25)
11	1.000 ± .007 (25.40 ± .18)	1.090 ± .010 (27.69 ± .25)
12	1.100 ± .008 (27.94 ± .20)	1.190 ± .011 (30.23 ± .28)
13	1.200 ± .008 (30.48 ± .20)	1.290 ± .011 (32.77 ± .28)
14	1.300 ± .008 (33.02 ± .20)	1.390 ± .011 (35.31 ± .28)
15	1.400 ± .008 (35.56 ± .20)	1.490 ± .011 (37.85 ± .28)
16	1.500 ± .008 (38.10 ± .20)	1.590 ± .011 (40.39 ± .28)
17	1.600 ± .009 (40.64 ± .23)	1.690 ± .012 (42.93 ± .30)
18	1.700 ± .009 (43.18 ± .23)	1.790 ± .012 (45.47 ± .30)
19	1.800 ± .009 (45.72 ± .23)	1.890 ± .012 (48.01 ± .30)
20	1.900 ± .009 (48.26 ± .23)	1.990 ± .012 (50.55 ± .30)
21	2.000 ± .010 (50.80 ± .25)	2.090 ± .013 (53.09 ± .33)
22	2.100 ± .010 (53.34 ± .25)	2.190 ± .013 (55.63 ± .33)
23	2.200 ± .010 (55.88 ± .25)	2.290 ± .013 (58.17 ± .33)
24	2.300 ± .010 (58.42 ± .25)	2.390 ± .013 (60.71 ± .33)
25	2.400 ± .011 (60.96 ± .28)	2.490 ± .014 (63.25 ± .36)
26	2.500 ± .011 (63.50 ± .28)	2.590 ± .014 (65.79 ± .36)
27	2.600 ± .011 (66.04 ± .28)	2.690 ± .014 (68.33 ± .36)
28	2.700 ± .011 (68.58 ± .28)	2.790 ± .014 (70.87 ± .36)

14	AD1
13	AD1
12	AD1
11	AD1
10	AD1
9	AD1
8	AD1
7	AD1
6	AD1
5	AD1
4	AD1
3	AD1
2	AD1
1	AD1
SHEET	REV.

	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°		I	
	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°			
H	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°				
G	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°		G	
	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°			
	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°			
F	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°		F	
	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°			
E	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°		E	
	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°			
D	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°		D	
	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°			
C	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°		C	
	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°			
	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°			
B	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°		B	
	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°			
A	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	
	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°			
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 DESCRIPTION								QUALITY SYMBOLS ▽=0 ▽=0	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.		SCALE --- DESIGN UNITS INCH		THIRD ANGLE PROJECTION				
AD1								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-4094		SHEET NO. 2 OF 14					
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
tb_frame_C_P_ME_T Rev. D 2004/04/02	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 DRW:ADER CHKD: SCHM DT APPR:FSM TH 2005/07/26 2005/07/27 2005/07/27 DESCRIPTION REV QUALITY SYMBOLS ▽=0 ▽=0 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 KSS 1984/09/10 CHECKED BY DATE NP 1984/09/10 APPROVED BY DATE KJA 1984/09/10 MATERIAL NO. DOCUMENT NO. SHEET NO. 4 OF 14 SCALE --- INCH DESIGN UNITS INCH THIRD ANGLE PROJECTION WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING MOLEX MOLEX INCORPORATED THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
ib_frame_C_P_ME_T Rev. D 2004/04/02	12	11	10	9	8	7	6	5	4	3	2	1		