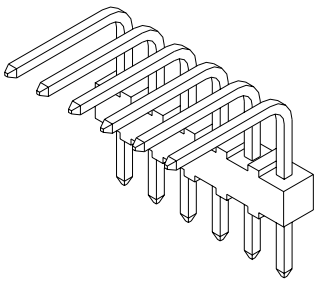
Jameco Part Number 878673

FEATURES AND SPECIFICATIONS

2.54mm (.100") Pitch KK® Solid Header

4094

Right Angle



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.

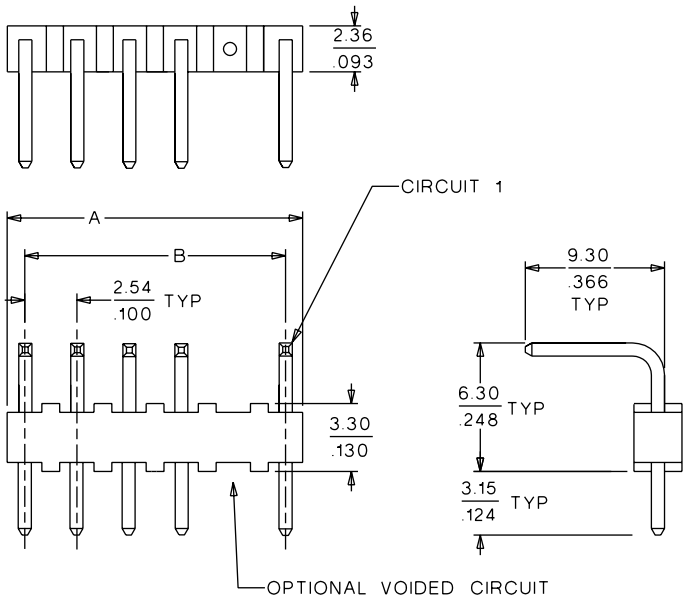
Mechanical

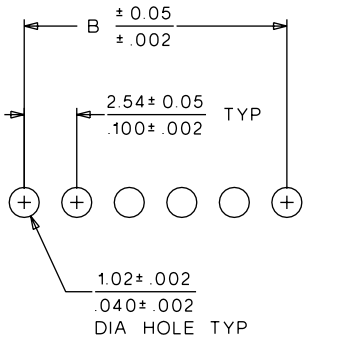
Durability:
Tin—25 cycles max.
Gold—100 cycles max.

Physical

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

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. 4094 Tin	Order No. 4094 Gold	Dimension A	Dimension B
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. 4094 Tin	Order No. 4094 Gold	Dimension A	Dimension B
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	53.63 (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	68.33 (2.490)	60.96 (2.400)
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
CSA ……...LR19980

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

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

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 ± ¼ 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 ± ¼ 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 ± ¼ 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 ½ sine wave (11 milliseconds) shocks in the ±X,±Y,±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 ± ¼ 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

5.3 ENVIRONMENTAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Shock (Thermal)	Mate connectors; expose to 5 cycles of: 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
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)

5.3 ENVIRONMENTAL REQUIREMENTS

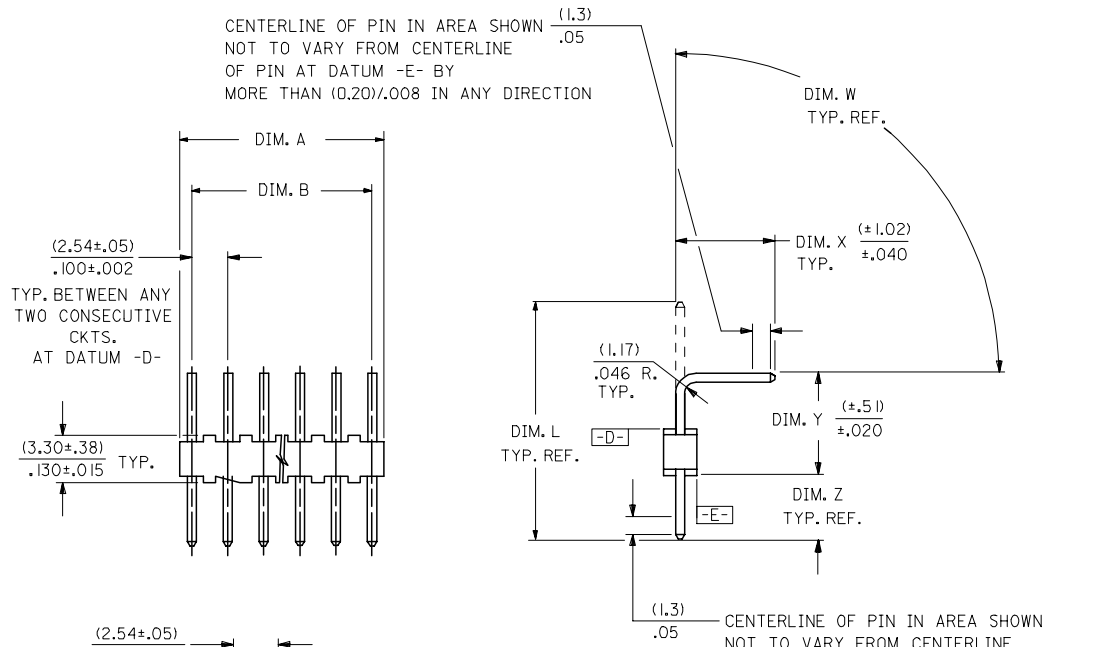
DESCRIPTION	TEST CONDITION	REQUIREMENT
Solder Resistance	Dip connector terminal tails in solder: Solder Duration: 5 ± 0.5 seconds; Solder Temperature: 230 ± 5°C	Visual: No Damage to insulator material
Salt Spray	Mate connectors: Duration: 48 hours exposure; Atmosphere: salt spray from a 5% solution; 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

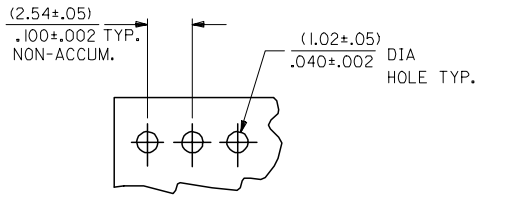
6.0 PACKAGING

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

7.0 GAGES AND FIXTURES

8.0 OTHER





RECOMMENDED P.C. BOARD HOLE DIMENSIONS

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)

A-4094-N * * *

NO. OF CKTS.

VERSION

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

PLATING CODE

PER SDES-88.

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

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.
   - (103) OVERALL TIN: 0.00508/.000200 MIN. OVER COPPER UNDERPLATE: 0.00127/.000050 MIN.
   - (501) OVERALL GOLD: 0.00051/.000020 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN.
   - (503) OVERALL GOLD: 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.
   - (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.

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.

UPDATE PER ECN
EC NO: UCP2005-2329 2005/07/26
DRWN:ADERR 2005/07/27
CH'KD:LSCHMIDT 2005/07/27
APPR:FSMITH
DESCRIPTION
REV: AD1

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°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	KSS	DATE 1984/09/10
CHECKED BY	NP	DATE 1984/09/10
APPROVED BY	KJA	DATE 1984/09/10

TITLE: WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-4094
SHEET NO.: 1 OF 14
SIZE: C

ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. T
A-4094-NA102	2766-3(102)	(17.45) .687	(9.30) .366	(3.15) .124	(6.30) .248	90°	
A-4094-NA501	2766-3(501)	(17.45) .687	(9.30) .366	(3.15) .124	(6.30) .248	90°	
A-4094-NAB102	2766-40(102)	(23.80) .937	(14.99) .590	(3.78) .149	(6.30) .248	90°	
A-4094-NAC102	2766-54(102)	(17.86) .703	(9.68) .381	(4.32) .170	(5.13) .202	90°	
A-4094-NAJ102	2766-8(102)	(21.39) .842	(10.19) .401	(4.09) .161	(8.41) .331	90°	
A-4094-NAL102	2766-8(102)	(21.39) .842	(12.47) .491	(3.91) .154	(6.30) .248	90°	
A-4094-NAM102	2766-3(102)	(17.45) .687	(4.93) .194	(7.29) .287	(6.53) .257	90°	
A-4094-NAP102	2766-3(102)	(17.45) .687	(8.41) .331	(3.78) .149	(6.55) .258	90°	
A-4094-NB102	2766-43(102)	(13.46) .530	(4.85) .191	(3.61) .142	(6.30) .248	90°	
A-4094-NBE102	2766-37(102)	(20.32) .800	(11.53) .454	(3.56) .140	(6.50) .256	90°	
A-4094-NBE501	2766-37(501)	(20.32) .800	(11.53) .454	(3.56) .140	(6.50) .256	90°	
A-4094-NBF102	2766-4(102)	(18.69) .736	(9.30) .366	(2.79) .110	(7.87) .310	90°	
A-4094-NBF501	2766-4(501)	(18.69) .736	(9.30) .366	(2.79) .110	(7.87) .310	90°	
A-4094-NBH102	2766-37(102)	(20.32) .800	(11.71) .461	(2.31) .091	(7.57) .298	90°	
A-4094-NBK103	4166-1(103)	(16.51) .650	(5.00) .197	(7.67) .302	(5.13) .202	90°	
A-4094-NBJ102	2766-4(102)	(18.69) .736	(9.42) .371	(3.63) .143	(6.93) .273	90°	
A-4094-NBJ501	2766-4(501)	(18.69) .736	(9.42) .371	(3.63) .143	(6.93) .273	90°	
A-4094-NBL102	2766-8(102)	(21.39) .842	(3.81) .150	(3.05) .120	(17.60) .693	25°	
A-4094-NBM102	2766-28(102)	(15.88) .625	(5.79) .228	(4.06) .160	(6.30) .248	139°	
A-4094-NBP102	2766-3(102)	((17.45) .687	(9.07) .357	(7.87) .310	(5.82) .229	105°	
A-4094-NBR501	2766-52(501)	(14.61) .575	(9.30) .366	(1.63) .064	(4.90) .193	90°	
A-4094-NBT102	2766-39(102)	(12.70) .500	(6.38) .251	(2.79) .110	(4.78) .188	90°	
A-4094-NCA102	2766-57(102)	(13.84) .545	(5.23) .206	(3.61) .142	(6.30) .248	90°	
A-4094-NCC102	2766-73(102)	(22.71) .894	(10.74) .423	(3.25) .128	(13.61) .536	60°	
A-4094-NCE102	2766-54(102)	(17.86) .703	(9.14) .360	(3.91) .154	(6.10) .240	90°	
A-4094-NCM102	2766-1(102)	(14.22) .560	(4.47) .176	(5.92) .233	(5.11) .201	90°	

ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. T
A-4094-NCM501	2766-1(501)	(14.22) .560	(4.47) .176	(5.92) .233	(5.11) .201	90°	
A-4094-NCN501	2766-53(501)	(20.85) .821	SEE SHT. 7			90°	
A-4094-NCR501	2766-73(501)	(22.71) .894	(13.92) .548	(3.48) .137	(6.60) .260	90°	
A-4094-NCS501	4166-74(501)	(31.24) 1.230	(22.23) .875	(3.71) .146	(6.60) .260	90°	
A-4094-NCV501	2766-28(501)	(15.88) .625	(7.65) .301	(3.23) .127	(6.30) .248	90°	
A-4094-NCY508	SEE SHT. 8					90°	
A-4094-NCZ501	2766-3(501)	(17.45) .687	(9.30) .366	(2.31) .091	(7.11) .280	90°	
A-4094-NJ102	2766-28(102)	(15.88) .625	(6.63) .261	(3.02) .119	(9.73) .383	55°	
A-4094-NM102	2766-3(102)	(17.45) .687	(7.44) .293	(2.84) .112	(8.46) .333	90°	
A-4094-NR102	2766-37(102)	(20.32) .800	(12.24) .482	(3.07) .121	(6.30) .248	90°	
A-4094-NRG501	2766-53(501)	(20.85) .821	(12.32) .485	(3.53) .139	(6.30) .248	90°	
A-4094-NW102	2766-37(102)	(20.32) .800	(9.30) .366	(3.61) .142	(8.71) .343	90°	
A-4094-NZ102	2766-3(102)	(17.45) .687	(5.13) .202	(7.95) .313	(5.66) .223	90°	
A-4094-NH102	2766-1(102)	(14.22) .560	(5.23) .206	(3.96) .156	(6.30) .248	90°	
A-4094-NDA102	4166-38(102)	(27.00) 1.063	(9.30) .366	(3.15) .124	(15.82) .623	90°	
A-4094-NDB102	4166-30(102)	(30.48) 1.200	(9.30) .366	(3.07) .121	(19.38) .763	90°	
A-4094-NDC102	2766-40(102)	(23.80) .937	(12.70) .500	(3.15) .124	(9.22) .363	90°	
A-4094-NA508	2766-3(508)	(17.45) .687	(9.30) .366	(3.15) .124	(6.30) .248	90°	
A-4094-NDD102	2766-60(102)	(23.24) .915	(9.53) .375	(8.64) .340	(6.35) .250	90°	
A-4094-NAR102	2766-26(102)	(14.99) .590	(4.06) .160	(8.03) .316	(4.09) .161	90°	
A-4094-NAT102	2766-4(102)	(18.69) .736	(8.26) .325	(3.28) .129	(12.75) .502	45°	
A-4094-NAT501	2766-4(501)	(18.69) .736	(8.26) .325	(3.28) .129	(12.75) .502	45°	
A-4094-NDE501	2766-73(501)	(22.71) .894	(9.98) .393	(3.00) .118	(11.00) .433	90°	
A-4094-NDF102	2766-16(102)	(22.23) .875	(6.12) .241	(11.05) .435	(6.35) .250	90°	
A-4094-NDG102	2766-39(102)	(12.70) .500	(4.60) .181	(3.10) .122	(6.30) .248	90°	
A-4094-NBK102	4166-1(102)	(16.51) .650	(5.00) .197	(7.67) .302	(5.13) .202	90°	

UPDATE TITLE BLOCK
EC NO: UCP2005-2329 2005/07/26
DRWN:ADERR 2005/07/27
CHKD:LSCHMIDT 2005/07/27
APPR:FSMITH
DESCRIPTION
REV
AD1

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°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: KSS DATE: 1984/09/10
CHECKED BY: NP DATE: 1984/09/10
APPROVED BY: KJA DATE: 1984/09/10

TITLE: WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-4094
SHEET NO.: 2 OF 14

SIZE C

A-4094-NA102			A-4094-NA501			A-4094-NAB102		A-4094-NAC102		A-4094-NAJ102		A-4094-NAL102	
PART NO.		ENG. NO.	PART NO.		ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.
22-05-2021	*	A-4094-2A102	22-12-2021	*	A-4094-2A501	22-05-2026	A-4094-2AB102		A-4094-2AC102		A-4094-2AJ102	22-05-2027	A-4094-2AL102
22-05-2031	*	A-4094-3A102	22-12-2031	*	A-4094-3A501	22-05-2036	A-4094-3AB102		A-4094-3AC102	22-05-3038	A-4094-3AJ102	22-05-2037	A-4094-3AL102
22-05-2041	*	A-4094-4A102	22-12-2041	*	A-4094-4A501	22-05-2046	A-4094-4AB102		A-4094-4AC102	22-05-3048	A-4094-4AJ102	22-05-2047	A-4094-4AL102
22-05-2051	*	A-4094-5A102	22-12-2051	*	A-4094-5A501	22-05-2056	A-4094-5AB102		A-4094-5AC102	22-05-3058	A-4094-5AJ102	22-05-2057	A-4094-5AL102
22-05-2061	*	A-4094-6A102	22-12-2061	*	A-4094-6A501	22-05-2066	A-4094-6AB102		A-4094-6AC102	22-05-3068	A-4094-6AJ102	22-05-2067	A-4094-6AL102
22-05-2071	*	A-4094-7A102	22-12-2071	*	A-4094-7A501	22-05-2076	A-4094-7AB102		A-4094-7AC102	22-05-3078	A-4094-7AJ102	22-05-2077	A-4094-7AL102
22-05-2081	*	A-4094-8A102	22-12-2081	*	A-4094-8A501	22-05-2086	A-4094-8AB102		A-4094-8AC102	22-05-3088	A-4094-8AJ102	22-05-2087	A-4094-8AL102
22-05-2091	*	A-4094-9A102	22-12-2091	*	A-4094-9A501	22-05-2096	A-4094-9AB102		A-4094-9AC102	22-05-3098	A-4094-9AJ102	22-05-2097	A-4094-9AL102
22-05-2101	*	A-4094-10A102	22-12-2101	*	A-4094-10A501	22-05-2106	A-4094-10AB102		A-4094-10AC102	22-05-3108	A-4094-10AJ102	22-05-2107	A-4094-10AL102
22-05-2111	*	A-4094-11A102	22-12-2111	*	A-4094-11A501	22-05-2116	A-4094-11AB102		A-4094-11AC102	22-05-3118	A-4094-11AJ102	22-05-2117	A-4094-11AL102
22-05-2121	*	A-4094-12A102	22-12-2121	*	A-4094-12A501	22-05-2126	A-4094-12AB102		A-4094-12AC102	22-05-3128	A-4094-12AJ102	22-05-2127	A-4094-12AL102
22-05-2131	*	A-4094-13A102	22-12-2131	*	A-4094-13A501	22-05-2136	A-4094-13AB102		A-4094-13AC102	22-05-3138	A-4094-13AJ102	22-05-2137	A-4094-13AL102
22-05-2141	*	A-4094-14A102	22-12-2141	*	A-4094-14A501	22-05-2146	A-4094-14AB102		A-4094-14AC102	22-05-3148	A-4094-14AJ102	22-05-2147	A-4094-14AL102
22-05-2151	*	A-4094-15A102	22-12-2151	*	A-4094-15A501	22-05-2156	A-4094-15AB102		A-4094-15AC102	22-05-3158	A-4094-15AJ102	22-05-2157	A-4094-15AL102
22-05-2161	*	A-4094-16A102	22-12-2161	*	A-4094-16A501	22-05-2166	A-4094-16AB102		A-4094-16AC102	22-05-3168	A-4094-16AJ102	22-05-2167	A-4094-16AL102
22-05-2171	*	A-4094-17A102	22-12-2171	*	A-4094-17A501	22-05-2176	A-4094-17AB102		A-4094-17AC102	22-05-3178	A-4094-17AJ102	22-05-2177	A-4094-17AL102
22-05-2181	*	A-4094-18A102	22-12-2181	*	A-4094-18A501	22-05-2186	A-4094-18AB102		A-4094-18AC102	22-05-3188	A-4094-18AJ102	22-05-2187	A-4094-18AL102
22-05-2191	*	A-4094-19A102	22-12-2191	*	A-4094-19A501	22-05-2196	A-4094-19AB102		A-4094-19AC102	22-05-3198	A-4094-19AJ102	22-05-2197	A-4094-19AL102
22-05-2201	*	A-4094-20A102	22-12-2201	*	A-4094-20A501	22-05-2206	A-4094-20AB102		A-4094-20AC102	22-05-3208	A-4094-20AJ102	22-05-2207	A-4094-20AL102
22-05-2211	*	A-4094-21A102	22-12-2211	*	A-4094-21A501	22-05-2216	A-4094-21AB102		A-4094-21AC102	22-05-3218	A-4094-21AJ102	22-05-2217	A-4094-21AL102
22-05-2221	*	A-4094-22A102	22-12-2221	*	A-4094-22A501	22-05-2226	A-4094-22AB102		A-4094-22AC102	22-05-3228	A-4094-22AJ102	22-05-2227	A-4094-22AL102
22-05-2231	*	A-4094-23A102	22-12-2231	*	A-4094-23A501	22-05-2236	A-4094-23AB102		A-4094-23AC102	22-05-3238	A-4094-23AJ102	22-05-2237	A-4094-23AL102
22-05-2241	*	A-4094-24A102	22-12-2241	*	A-4094-24A501	22-05-2246	A-4094-24AB102		A-4094-24AC102	22-05-3248	A-4094-24AJ102	22-05-2247	A-4094-24AL102
22-05-2251	*	A-4094-25A102	22-12-2251	*	A-4094-25A501	22-05-2256	A-4094-25AB102		A-4094-25AC102	22-05-3258	A-4094-25AJ102	22-05-2257	A-4094-25AL102
22-05-2261		A-4094-26A102	22-12-2261		A-4094-26A501	22-05-2266	A-4094-26AB102		A-4094-26AC102	22-05-3268	A-4094-26AJ102	22-05-2267	A-4094-26AL102
22-05-2271		A-4094-27A102	22-12-2271		A-4094-27A501	22-05-2276	A-4094-27AB102		A-4094-27AC102	22-05-3278	A-4094-27AJ102	22-05-2277	A-4094-27AL102
22-05-2281		A-4094-28A102	22-12-2281		A-4094-28A501	22-05-2286	A-4094-28AB102		A-4094-28AC102	22-05-3288	A-4094-28AJ102	22-05-2287	A-4094-28AL102

UPDATE TITLE BLOCK
EC NO: UCP2005-2329 2005/07/26
DRWN:ADERR 2005/07/27
CHKD:LSCHMIDT 2005/07/27
APPR:FSMITH
DESCRIPTION
REV

AD1

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
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	KSS	DATE 1984/09/10
CHECKED BY	NP	DATE 1984/09/10
APPROVED BY	KJA	DATE 1984/09/10

TITLE: WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-4094
SHEET NO.: 4 OF 14

SIZE C