

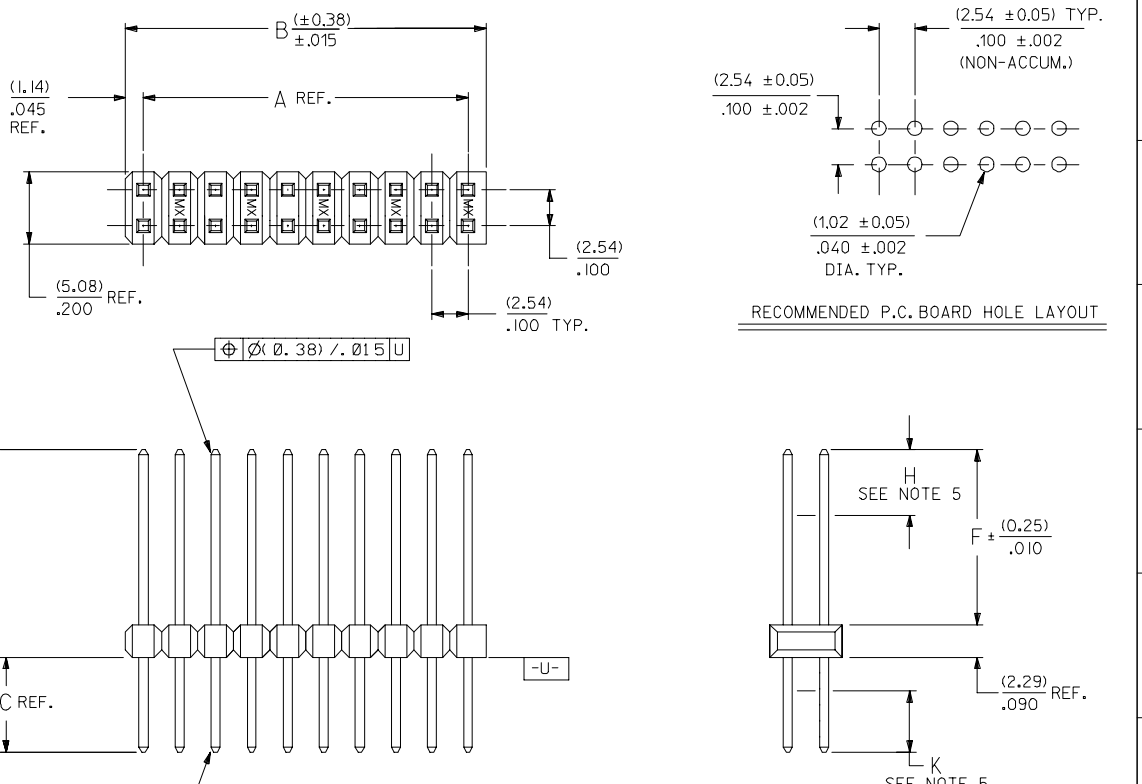
CKT. SIZE	DIM. A REF.		DIM. B REF.	
	(MM)	INCH	(MM)	INCH
4	(2.54)	.100	(5.08)	.200
6	(5.08)	.200	(7.62)	.300
8	(7.62)	.300	(10.16)	.400
10	(10.16)	.400	(12.70)	.500
12	(12.70)	.500	(15.24)	.600
14	(15.24)	.600	(17.78)	.700
16	(17.78)	.700	(20.32)	.800
18	(20.32)	.800	(22.86)	.900
20	(22.86)	.900	(25.40)	1.000
22	(25.40)	1.000	(27.94)	1.100
24	(27.94)	1.100	(30.48)	1.200
26	(30.48)	1.200	(33.02)	1.300
28	(33.02)	1.300	(35.56)	1.400
30	(35.56)	1.400	(38.10)	1.500
32	(38.10)	1.500	(40.64)	1.600
34	(40.64)	1.600	(43.18)	1.700
36	(43.18)	1.700	(45.72)	1.800
38	(45.72)	1.800	(48.26)	1.900
40	(48.26)	1.900	(50.80)	2.000
42	(50.80)	2.000	(53.34)	2.100
44	(53.34)	2.100	(55.88)	2.200
46	(55.88)	2.200	(58.42)	2.300
48	(58.42)	2.300	(60.96)	2.400
50	(60.96)	2.400	(63.50)	2.500
52	(63.50)	2.500	(66.04)	2.600
54	(66.04)	2.600	(68.58)	2.700
56	(68.58)	2.700	(71.12)	2.800
58	(71.12)	2.800	(73.66)	2.900
60	(73.66)	2.900	(76.20)	3.000
62	(76.20)	3.000	(78.74)	3.100
64	(78.74)	3.100	(81.28)	3.200
66	(81.28)	3.200	(83.82)	3.300
68	(83.82)	3.300	(86.36)	3.400
70	(86.36)	3.400	(88.90)	3.500
72	(88.90)	3.500	(91.44)	3.600
74	(91.44)	3.600	(93.98)	3.700
76	(93.98)	3.700	(96.52)	3.800
78	(96.52)	3.800	(99.06)	3.900
80	(99.06)	3.900	(101.60)	4.000
82	(101.60)	4.000	(104.14)	4.100
84	(104.14)	4.100	(106.68)	4.200
86	(106.68)	4.200	(109.22)	4.300
88	(109.22)	4.300	(111.76)	4.400
90	(111.76)	4.400	(114.30)	4.500
92	(114.30)	4.500	(116.84)	4.600
94	(116.84)	4.600	(119.38)	4.700
96	(119.38)	4.700	(121.92)	4.800
98	(121.92)	4.800	(124.46)	4.900
100	(124.46)	4.900	(127.00)	5.000

**NOTES:**

- MATERIAL:  
PIN: COPPER ALLOY  
WAFER: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER, UL 94V-0, COLOR: BLACK.
- FINISH:  
TIN = (0.00380)/.000150 MINIMUM TIN PLATE OVER (0.00127)/.000050 MINIMUM NICKEL PLATE.  
15 GOLD = (0.00038)/.000015 MINIMUM GOLD PLATE IN SELECT AREA, (0.00190)/.000075 MINIMUM TIN PLATE IN SELECT AREA.  
30 GOLD = (0.00076)/.000030 MINIMUM GOLD PLATE IN SELECT AREA, (0.00190)/.000075 MINIMUM TIN PLATE IN SELECT AREA.  
GT15 = (0.00038)/.000015 MINIMUM GOLD PLATE IN SELECT AREA, (0.00254)/.000100 MINIMUM TIN PLATE IN SELECT AREA, OVER (0.00127)/.000050 MINIMUM NICKEL PLATE OVERALL.
- PRODUCT SPECIFICATION: NONE
- PACKAGING INFORMATION: (UNLESS OTHERWISE NOTED IN TABLES) BULK PACK PER PK-70873-0353.
- MEASURE POINT FOR PLATING THICKNESS.
- FOR ASSEMBLIES WITH VOIDED PINS, REFER TO DRAWING NO. SDA-70280-5001-9999.
- PIN PUSHOUT FORCE: 3 POUNDS MINIMUM IN EITHER DIRECTION.
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE IS SHOWN.
- PINS MEET SOLDERABILITY SPEC SMES-152. ABSENCE OF PLATING PERMISSIBLE AT BANDOLIER PIN FAYING SURFACE. (APPROXIMATELY (0.64)/.025 INCH LONG BY (0.15)/.006 INCH WIDE AT 2 LOCATIONS)

\* 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 LEAD PLATING.

UPDATE PER ECN EC NO: UCP2006-0060 DRAWN/ADDER 2005/07/15 CHKD:SSOUSEK 2005/07/20 APPR:FSM TH 2005/07/21 G1 REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY SMR	DATE 04/19/1993	TITLE SALES ASSY-HIGH TEMP. DUAL ROW WAFER W/BREAK-OFF OPT. .025 SQ PINS			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .005	CHECKED BY	DATE	APPROVED BY SMR			
		2 PLACES ± 0.13 ± .01	1 PLACE ± 0.25 ± ---	ANGULAR ±1/2°		DATE 04/19/1993		MATERIAL NO. DOCUMENT NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-70280-0001-4000		SHEET NO. 1 OF 8			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



8	G1
7	G1
6	G1
5	G1
4	G1
3	G1
2	G1
1	G1
SHT.	REV.

	13	12	11	10	9	8	7	6	5	4	3	2	1		
J	ENGINEERING NUMBER A-70280-	RELEASE FOR MANUFACTURE			C REF.	E REF.	F ±(0.25) .010		CONNECTOR END PLATING			P.C. BOARD END PLATING			FOR PACKAGING INFORMATION, SEE NOTE 4, SHEET 1 (UNLESS OTHERWISE SPECIFIED BELOW)
									TYPE	H MEAS.		TYPE	K MEAS.		
	-0439/-0448	R.F.M.			(2.72) .107	(11.10) .437	(6.10) .240			TIN	(2.54) .100		TIN	(1.27) .050	
	-0449/-0458	R.F.M.			(2.72) .107	(11.10) .437	(6.10) .240			15 GOLD	(2.54) .100		TIN	(1.27) .050	
I	-0459/-0468	R.F.M.			(2.72) .107	(11.10) .437	(6.10) .240			30 GOLD	(2.54) .100		TIN	(1.23) .048	
	-0469/-0478	R.F.M.			(2.79) .110	(13.21) .520	(8.13) .320			TIN	(4.57) .180		TIN	(1.27) .050	
	-0479/-0488	R.F.M.			(2.79) .110	(13.21) .520	(8.13) .320			15 GOLD	(4.57) .180		TIN	(1.27) .050	
H	-0489/-0498	R.F.M.			(2.79) .110	(13.21) .520	(8.13) .320			30 GOLD	(4.57) .180		TIN	(1.27) .050	
	-0499/-0508	R.F.M.			(3.94) .155	(12.32) .485	(6.10) .240			30 GOLD	(2.54) .100		TIN	(1.27) .050	

	CKTS	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	CKTS
G	82	70280-0439	A-70280-0439	70280-0449	A-70280-0449	70280-0459	A-70280-0459	70280-0469	A-70280-0469	70280-0479	A-70280-0479	70280-0489	A-70280-0489	70280-0499	A-70280-0499	70280-0509	A-70280-0509	82
	84	70280-0440	A-70280-0440	70280-0450	A-70280-0450	70280-0460	A-70280-0460	70280-0470	A-70280-0470	70280-0480	A-70280-0480	70280-0490	A-70280-0490	70280-0500	A-70280-0500	70280-0510	A-70280-0510	84
	86	70280-0441	A-70280-0441	70280-0451	A-70280-0451	70280-0461	A-70280-0461	70280-0471	A-70280-0471	70280-0481	A-70280-0481	70280-0491	A-70280-0491	70280-0501	A-70280-0501	70280-0511	A-70280-0511	86
	88	70280-0442	A-70280-0442	70280-0452	A-70280-0452	70280-0462	A-70280-0462	70280-0472	A-70280-0472	70280-0482	A-70280-0482	70280-0492	A-70280-0492	70280-0502	A-70280-0502	70280-0512	A-70280-0512	88
	90	70280-0443	A-70280-0443	70280-0453	A-70280-0453	70280-0463	A-70280-0463	70280-0473	A-70280-0473	70280-0483	A-70280-0483	70280-0493	A-70280-0493	70280-0503	A-70280-0503	70280-0513	A-70280-0513	90
	92	70280-0444	A-70280-0444	70280-0454	A-70280-0454	70280-0464	A-70280-0464	70280-0474	A-70280-0474	70280-0484	A-70280-0484	70280-0494	A-70280-0494	70280-0504	A-70280-0504	70280-0514	A-70280-0514	92
	94	70280-0445	A-70280-0445	70280-0455	A-70280-0455	70280-0465	A-70280-0465	70280-0475	A-70280-0475	70280-0485	A-70280-0485	70280-0495	A-70280-0495	70280-0505	A-70280-0505	70280-0515	A-70280-0515	94
	96	70280-0446	A-70280-0446	70280-0456	A-70280-0456	70280-0466	A-70280-0466	70280-0476	A-70280-0476	70280-0486	A-70280-0486	70280-0496	A-70280-0496	70280-0506	A-70280-0506	70280-0516	A-70280-0516	96
	98	70280-0447	A-70280-0447	70280-0457	A-70280-0457	70280-0467	A-70280-0467	70280-0477	A-70280-0477	70280-0487	A-70280-0487	70280-0497	A-70280-0497	70280-0507	A-70280-0507	70280-0517	A-70280-0517	98
	F	100	70280-0448	A-70280-0448	70280-0458	A-70280-0458	70280-0468	A-70280-0468	70280-0478	A-70280-0478	70280-0488	A-70280-0488	70280-0498	A-70280-0498	70280-0508	A-70280-0508	70280-0518	A-70280-0518

E																		
D																		
C																		

B	A	UPDATE PER ECN EC NO: UCP2006-0060 DRAWN/ADDER 2005/07/15 CHKD:SSOUSEK 2005/07/20 APPR:FSM TH 2005/07/21 DESCRIPTION REV G1	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2°	DIMENSION STYLE MM/IN DRAWN BY DATE DMORGAN 04/12/16 CHECKED BY DATE BBARER 04/12/16 APPROVED BY DATE SMILLER 04/12/16 MATERIAL NO.	SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE SALES ASSY-HIGH TEMP. DUAL ROW WAFER W/BREAK- OFF OPTION, .025 SQ PINS MOLEX MOLEX INCORPORATED DOCUMENT NO. SDA-70280-0001-4000	SHEET NO. 5
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		