

CKT. SIZE	DIM. A REF.		DIM. B REF.	
	(MM)	INCH	(MM)	INCH
4	(2.54)	.100	(4.83)	.190
6	(5.08)	.200	(7.37)	.290
8	(7.62)	.300	(9.91)	.390
10	(10.16)	.400	(12.45)	.490
12	(12.70)	.500	(14.99)	.590
14	(15.24)	.600	(17.53)	.690
16	(17.78)	.700	(20.07)	.790
18	(20.32)	.800	(22.61)	.890
20	(22.86)	.900	(25.15)	.990
22	(25.40)	1.000	(27.69)	1.090
24	(27.94)	1.100	(30.23)	1.190
26	(30.48)	1.200	(32.77)	1.290
28	(33.02)	1.300	(35.31)	1.390
30	(35.56)	1.400	(37.85)	1.490
32	(38.10)	1.500	(40.39)	1.590
34	(40.64)	1.600	(42.93)	1.690
36	(43.18)	1.700	(45.47)	1.790
38	(45.72)	1.800	(48.01)	1.890
40	(48.26)	1.900	(50.55)	1.990
42	(50.80)	2.000	(53.09)	2.090
44	(53.34)	2.100	(55.63)	2.190
46	(55.88)	2.200	(58.17)	2.290
48	(58.42)	2.300	(60.71)	2.390
50	(60.96)	2.400	(63.25)	2.490
52	(63.50)	2.500	(65.79)	2.590
54	(66.04)	2.600	(68.33)	2.690
56	(68.58)	2.700	(70.87)	2.790
58	(71.12)	2.800	(73.41)	2.890
60	(73.66)	2.900	(75.95)	2.990
62	(76.20)	3.000	(78.49)	3.090
64	(78.74)	3.100	(81.03)	3.190
66	(81.28)	3.200	(83.57)	3.290
68	(83.82)	3.300	(86.11)	3.390
70	(86.36)	3.400	(88.65)	3.490
72	(88.90)	3.500	(91.19)	3.590
74	(91.44)	3.600	(93.73)	3.690
76	(93.98)	3.700	(96.27)	3.790
78	(96.52)	3.800	(98.81)	3.890
80	(99.06)	3.900	(101.35)	3.990



RECOMMENDED P.C. BOARD HOLE LAYOUT



NOTES:

- PIN PUSHOUT FORCE: 4 LBS. MINIMUM
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE IS SHOWN.
- PINS MUST MEET SOLDERABILITY SPEC. ES-152, EXCEPT VOIDS ARE PERMISSIBLE AT BANDOLIER PIN FAYING SURFACE. (APPROX. .025 LNG X .006 WD. REF.) - 2 LOCATIONS
- WAFER TO BE FLAT WITHIN (0.03 MM/CM)/.003 IN./IN.
- MEASURE POINT FOR PLATING THICKNESS.
- THIS PRODUCT CONFORMS TO MOLEX PRODUCT SPEC. PS-70203.
- FOR ASSEMBLIES WITH VOIDS, REFER TO DRAWING NUMBER SDA-70203-5001-9999.
- PACKAGING INFORMATION: (UNLESS OTHERWISE NOTED IN TABLES)

CIRCUIT SIZE	PACKAGING DRAWING
4 THROUGH 8	PK-70873-0353
10 AND OVER	PK-70873-0075

FINISH:

- TIN - .000150 MINIMUM TIN PLATE OVER NICKEL PLATE.
 - 15 GOLD - .000015 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER NICKEL PLATE OVERALL.
 - 30 GOLD - .000030 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER NICKEL PLATE OVERALL.
- *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.

MATERIAL:

- WAFER - G.F. POLYESTER; 94V-0; COLOR: BLACK
- PIN - PHOSPHOR BRONZE

D	LEAD FREE UCP2004-1770 RWHITE 04/04/23
CI	REVISE PKGNG ECN UDT2000-0949 SCHAFER 00/4/6
C	REVISED PER ECN # U60711 1/8/96 BJS/RCB
BI	ADDED EDP PER ECN # U60256 95/08/23 CAC
B	VOIDED EDP NO'S PER ECN # U60097 95/07/27 CAC
A	RELEASED PER ECN # U31656 11/18/93 REED

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▲ = 0		REVISE ONLY ON CAD SYSTEM	
INCH METRIC		TITLE		SALES ASSY-DUAL ROW WAFER W/BREAK-OFF OPTION RIGHT ANGLE/.025 SQ PINS	
3 PLACE ± .005	---	PART NO.		SDA-70203-0001-5000	
2 PLACE ± .01 ± 0.13	---	DRAWG. NO.		SEE CHART	
1 PLACE --- ± 0.25	---	DATE		11/18/93	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED		SHEET NO. 1 OF 2	
DRWG. BY: SMR		CHK'D BY: SMR		FILE NAME: 570203X1	
APPR. BY:		SCALE: 4: 1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

J	ENGINEERING NUMBER A-70203	RELEASE FOR MANUFACTURE	EXPOSED PIN DIM.		9	8	7	6	70203		4	3	2	1				
			C REF.	D ±(0.25) .010					PLATING PER NOTES SHEET 1	CONNECTOR END PLATING					P.C. BOARD END PLATING		FOR PKG. INFO. SEE NOTE 8, SHEET 1	
										TYPE					E MEAS.	TYPE		G MEAS.
-0001/-0039	R.F.M.	(2.79) .110	(6.10) .240					TIN	TIN	(2.54) .100		(1.27) .050						
-0040/-0078	R.F.M.	(2.79) .110	(8.13) .320					TIN	TIN	(4.57) .180		(1.27) .050						
-0079/-0117	R.F.M.	(4.45) .175	(6.10) .240					TIN	TIN	(2.54) .100		(1.27) .050						
-0157/-0195	R.F.M.	(2.79) .110	(6.10) .240					15 GOLD	GOLD	(2.54) .100		(1.27) .050						
-0196/-0234	R.F.M.	(2.79) .110	(8.13) .320					15 GOLD	GOLD	(4.57) .180		(1.27) .050						
-0313/-0351	R.F.M.	(2.79) .110	(6.10) .240					30 GOLD	GOLD	(2.54) .100		(1.27) .050						
-0352/-0390	R.F.M.	(2.79) .110	(8.13) .320					30 GOLD	GOLD	(4.57) .180		(1.27) .050						

G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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	EDP NUMBER	ENG NUMBER	CKTS
04	10-88-1045	A-70203-0001	10-88-1046	A-70203-0040					10-89-1046	A-70203-0157	10-89-1047	A-70203-0196	10-89-2046	A-70203-0313	10-89-2047	A-70203-0352			04
06	10-88-1065	A-70203-0002	10-88-1066	A-70203-0041					10-89-1066	A-70203-0158	10-89-1067	A-70203-0197	10-89-2066	A-70203-0314	10-89-2067	A-70203-0353			06
08	10-88-1085	A-70203-0003	10-88-1086	A-70203-0042					10-89-1086	A-70203-0159	10-89-1087	A-70203-0198	10-89-2086	A-70203-0315	10-89-2087	A-70203-0354			08
10	10-88-1105	A-70203-0004	10-88-1106	A-70203-0043					10-89-1106	A-70203-0160	10-89-1107	A-70203-0199	10-89-2106	A-70203-0316	10-89-2107	A-70203-0355			10
12	10-88-1125	A-70203-0005	10-88-1126	A-70203-0044					10-89-1126	A-70203-0161	10-89-1127	A-70203-0200	10-89-2126	A-70203-0317	10-89-2127	A-70203-0356			12
14	10-88-1145	A-70203-0006	10-88-1146	A-70203-0045					10-89-1146	A-70203-0162	10-89-1147	A-70203-0201	10-89-2146	A-70203-0318	10-89-2147	A-70203-0357			14
16	10-88-1165	A-70203-0007	10-88-1166	A-70203-0046					10-89-1166	A-70203-0163	10-89-1167	A-70203-0202	10-89-2166	A-70203-0319	10-89-2167	A-70203-0358			16
18	10-88-1185	A-70203-0008	10-88-1186	A-70203-0047					10-89-1186	A-70203-0164	10-89-1187	A-70203-0203	10-89-2186	A-70203-0320	10-89-2187	A-70203-0359			18
20	10-88-1205	A-70203-0009	10-88-1206	A-70203-0048					10-89-1206	A-70203-0165	10-89-1207	A-70203-0204	10-89-2206	A-70203-0321	10-89-2207	A-70203-0360			20
22	10-88-1225	A-70203-0010	10-88-1226	A-70203-0049					10-89-1226	A-70203-0166	10-89-1227	A-70203-0205	10-89-2226	A-70203-0322	10-89-2227	A-70203-0361			22
24	10-88-1245	A-70203-0011	10-88-1246	A-70203-0050					10-89-1246	A-70203-0167	10-89-1247	A-70203-0206	10-89-2246	A-70203-0323	10-89-2247	A-70203-0362			24
26	10-88-1265	A-70203-0012	10-88-1266	A-70203-0051					10-89-1266	A-70203-0168	10-89-1267	A-70203-0207	10-89-2266	A-70203-0324	10-89-2267	A-70203-0363			26
28	10-88-1285	A-70203-0013	10-88-1286	A-70203-0052					10-89-1286	A-70203-0169	10-89-1287	A-70203-0208	10-89-2286	A-70203-0325	10-89-2287	A-70203-0364			28
30	10-88-1305	A-70203-0014	10-88-1306	A-70203-0053					10-89-1306	A-70203-0170	10-89-1307	A-70203-0209	10-89-2306	A-70203-0326	10-89-2307	A-70203-0365			30
32	10-88-1325	A-70203-0015	10-88-1326	A-70203-0054					10-89-1326	A-70203-0171	10-89-1327	A-70203-0210	10-89-2326	A-70203-0327	10-89-2327	A-70203-0366			32
34	10-88-1345	A-70203-0016	10-88-1346	A-70203-0055					10-89-1346	A-70203-0172	10-89-1347	A-70203-0211	10-89-2346	A-70203-0328	10-89-2347	A-70203-0367			34
36	10-88-1365	A-70203-0017	10-88-1366	A-70203-0056					10-89-1366	A-70203-0173	10-89-1367	A-70203-0212	10-89-2366	A-70203-0329	10-89-2367	A-70203-0368			36
38	10-88-1385	A-70203-0018	10-88-1386	A-70203-0057					10-89-1386	A-70203-0174	10-89-1387	A-70203-0213	10-89-2386	A-70203-0330	10-89-2387	A-70203-0369			38
40	10-88-1405	A-70203-0019	10-88-1406	A-70203-0058					10-89-1406	A-70203-0175	10-89-1407	A-70203-0214	10-89-2406	A-70203-0331	10-89-2407	A-70203-0370			40
42	10-88-1425	A-70203-0020	10-88-1426	A-70203-0059					10-89-1426	A-70203-0176	10-89-1427	A-70203-0215	10-89-2426	A-70203-0332	10-89-2427	A-70203-0371			42
44	10-88-1445	A-70203-0021	10-88-1446	A-70203-0060					10-89-1446	A-70203-0177	10-89-1447	A-70203-0216	10-89-2446	A-70203-0333	10-89-2447	A-70203-0372			44
46	10-88-1465	A-70203-0022	10-88-1466	A-70203-0061					10-89-1466	A-70203-0178	10-89-1467	A-70203-0217	10-89-2466	A-70203-0334	10-89-2467	A-70203-0373			46
48	10-88-1485	A-70203-0023	10-88-1486	A-70203-0062					10-89-1486	A-70203-0179	10-89-1487	A-70203-0218	10-89-2486	A-70203-0335	10-89-2487	A-70203-0374			48
50	10-88-1505	A-70203-0024	10-88-1506	A-70203-0063					10-89-1506	A-70203-0180	10-89-1507	A-70203-0219	10-89-2506	A-70203-0336	10-89-2507	A-70203-0375			50
52	10-88-1525	A-70203-0025	10-88-1526	A-70203-0064					10-89-1526	A-70203-0181	10-89-1527	A-70203-0220	10-89-2526	A-70203-0337	10-89-2527	A-70203-0376			52
54	10-88-1545	A-70203-0026	10-88-1546	A-70203-0065					10-89-1546	A-70203-0182	10-89-1547	A-70203-0221	10-89-2546	A-70203-0338	10-89-2547	A-70203-0377			54
56	10-88-1565	A-70203-0027	10-88-1566	A-70203-0066					10-89-1566	A-70203-0183	10-89-1567	A-70203-0222	10-89-2566	A-70203-0339	10-89-2567	A-70203-0378			56
58	10-88-1585	A-70203-0028	10-88-1586	A-70203-0067					10-89-1586	A-70203-0184	10-89-1587	A-70203-0223	10-89-2586	A-70203-0340	10-89-2587	A-70203-0379			58
60	10-88-1605	A-70203-0029	10-88-1606	A-70203-0068					10-89-1606	A-70203-0185	10-89-1607	A-70203-0224	10-89-2606	A-70203-0341	10-89-2607	A-70203-0380			60
62	10-88-1625	A-70203-0030	10-88-1626	A-70203-0069					10-89-1626	A-70203-0186	10-89-1627	A-70203-0225	10-89-2626	A-70203-0342	10-89-2627	A-70203-0381			62
64	10-88-1645	A-70203-0031	10-88-1646	A-70203-0070					10-89-1646	A-70203-0187	10-89-1647	A-70203-0226	10-89-2646	A-70203-0343	10-89-2647	A-70203-0382			64
66	10-88-1665	A-70203-0032	10-88-1666	A-70203-0071					10-89-1666	A-70203-0188	10-89-1667	A-70203-0227	10-89-2666	A-70203-0344	10-89-2667	A-70203-0383			66
68	10-88-1685	A-70203-0033	10-88-1686	A-70203-0072					10-89-1686	A-70203-0189	10-89-1687	A-70203-0228	10-89-2686	A-70203-0345	10-89-2687	A-70203-0384			68
70	10-88-1705	A-70203-0034	10-88-1706	A-70203-0073					10-89-1706	A-70203-0190	10-89-1707	A-70203-0229	10-89-2706	A-70203-0346	10-89-2707	A-70203-0385			70
72	10-88-1725	A-70203-0035	10-88-1726	A-70203-0074					10-89-1726	A-70203-0191	10-89-1727	A-70203-0230	10-89-2726	A-70203-0347	10-89-2727	A-70203-0386			72
74	10-88-1745	A-70203-0036	10-88-1746	A-70203-0075					10-89-1746	A-70203-0192	10-89-1747	A-70203-0231	10-89-2746	A-70203-0348	10-89-2747	A-70203-0387			74
76	10-88-1765	A-70203-0037	10-88-1766	A-70203-0076					10-89-1766	A-70203-0193	10-89-1767	A-70203-0232	10-89-2766	A-70203-0349	10-89-2767	A-70203-0388			76
78	10-88-1785	A-70203-0038	10-88-1786	A-70203-0077					10-89-1786	A-70203-0194	10-89-1787	A-70203-0233	10-89-2786	A-70203-0350	10-89-2787	A-70203-0389			78
80	10-88-1805	A-70203-0039	10-88-1806	A-70203-0078	10-88-1807	A-70203-0117			10-89-1806	A-70203-0195	10-89-1807	A-70203-0234	10-89-2806	A-70203-0351	10-89-2807	A-70203-0390			80

D		SEE SHEET 1	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° INCH METRIC 5 PLACE ± .005 --- 2 PLACE ± .01 ± 0.13 1 PLACE --- ± 0.25 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DRWG. NO. SMR FILE NAME S70203X2 DATE 11/18/93 U.S.A. MOLEX INCORPORATED LITTLE, ILL. 60532	□ = 0 ▽ = 0 REVISE ONLY ON CAD SYSTEM SALES ASSY-DUAL ROW WAFER W/BREAK-OFF OPTION RIGHT ANGLE/.025 SQ PINS SEE CHART SDA-70203-0001-5000	
C1		SEE SHEET 1			
C		SEE SHEET 1			
B1		SEE SHEET 1			
B		SEE SHEET 1			
A		SEE SHEET 1	DRWG. NO. SMR FILE NAME S70203X2 DATE 11/18/93 U.S.A. MOLEX INCORPORATED LITTLE, ILL. 60532		
LTR.	REVISIONS	LTR.	REVISIONS	APP'D. BY	SCALE