



**RECOMMENDED P.C. BOARD LAYOUT**

CKT. SIZE	DIMENSION A		DIMENSION B	
	(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

P	LEAD FREE UCP2004-1770 RWHITE 04/04/23
O	ADD A-8624-1246 ECN #UCP2003-0823 DMORGAN 03/10/28
N	ADD A-8624-1325 ECN #UCP2004-0001 DMORGAN 03/07/17
M	ADD 086241275 S.6 ECN #UCP2003-2236 RWHITE 03/04/17
LI	ADDED TOLERANCES ECN #UDT1999-0410 DMORGAN 98/12/02
L	ADD NEW 8 CKT OPT ECN #UDT1999-0206 DMORGAN 98/09/16
K	CREATED SHEET 7 ECN #UB0308 MCCRATH 97/07/15
JI	ADD A-8624-1253 ECN #U7-0642 MCFARLAN 97/11/3
J	REVISOR PER ECR #U40146 SCARTH 96/12/04
I	REVISOR PER ECR NO U73000 BARKER 10/28/96
H	REVISOR PER ECR NO U61415 TSE 05/10/96
G	REVISOR PLATE 588 PER ECR NO U60907 96/02/01 BMS
F	CHANGED PACKAGING PER ECR NO U160549 11-03-95 DB/BJ
E3	ADDED -1201/-1240 PER ECR NO U60344 09-11-95 BJS
E2	ADDED EDP NO'S PER ECR # U60272 95/08/25 CAC
E1	ADDED EDP - 8032 PER ECR #U51312 95/06/29 CAC
E	CHANGED PIN DIMEN PER ECR NO U50305 10-04-94 BJS
D1	ADDED -0681/-0720 PER ECR NO U50168 09-09-94 BJS
D	REVISOR NOTE #6 PER ECR #U40640 06/16/94 BARKER
CI	ADDED -09288-0933 PER ECR #U40683 05/27/94 REED
C	DELETED/ADDED EDP'S PER ECR #U40295 03/01/94 REED
BI	ADDED EDP NOS. PER ECR # U31521 10/15/93 REED
B	REVISOR PER ECR # U30385 05/17/93 REED
A	RELEASED PER ECR # U30114 02/03/93 MGB

**NOTES:**

- PIN PUSHOUT FORCE: 4 LBS. MINIMUM (IN EITHER DIRECTION)
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE IS SHOWN.
- PINS MUST MEET MOLEX SOLDERABILITY SPECIFICATION ES-152, EXCEPT VOIDS ARE PERMISSIBLE AT BANDOLIER PIN FAYING SURFACE (APPROX. .025 LONG X .006 WIDE REF.- 2 LOCATIONS).
- MEASURE POINT FOR PLATING THICKNESS.
- THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-8624.
- PACKAGING INFORMATION: (UNLESS OTHERWISE NOTED IN TABLES) PER PACKAGING DRAWING NO. PK-70873-0353 BULK PACKAGED IN BAGS

**MATERIAL:**

WAFER - GLASS FILLED POLYESTER; UL94V-0; COLOR: BLACK  
PIN - PHOSPHOR BRONZE

**PLATING:**

- TIN - .000150 MINIMUM TIN PLATE OVER .000050 MINIMUM NICKEL PLATE.
- 15 GOLD - .000015 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM NICKEL PLATE OVERALL.
- 30 GOLD - .000030 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM NICKEL PLATE OVERALL.
- D30 GOLD - .000030 MINIMUM GOLD PLATE IN SELECT AREAS OVER .000050 MINIMUM NICKEL PLATE OVERALL.
- 5 GOLD - .000005 MINIMUM GOLD FLASH IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM 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.

SALES ASSY-DUAL ROW WAFER W/BREAK-OFF OPTION .025 SQ. PINS/.100 GRID

MOLEX INCORPORATED SHEET NO. DATE 1 OF 7 11/30/88

SEE CHARTS SDA-8624-0001-5000

DRWG. NO. 58624X1

DRWG. NO. 60532 U.S.A.

DRWG. NO. 1 OF 7 11/30/88

FILE NAME 58624X1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

13		12		11		10		9		8		7		6		8624		4		3		2		1	
J	ENGINEERING NUMBER A-8624	RELEASE FOR MANUFACTURE						C ± (0.38) .015		E ± (0.25) .010		F ± (0.25) .010		PLATING PER NOTES SHEET I		CONNECTOR END PLATING		P.C. BOARD END PLATING		FOR PACKAGING INFORMATION, SEE NOTE 6, SHEET I (UNLESS OTHERWISE SPECIFIED BELOW)					
																	TYPE	H MEAS.	TYPE	K MEAS.					
	-0001/-0040	R.F.M.						(2.72) .107		(11.10) .437		(6.10) .240		TIN		TIN	(2.54) .100	TIN	(1.27) .050						
	-0041/-0080	R.F.M.						(2.72) .107		(11.10) .437		(6.10) .240		15 GOLD		GOLD	(2.54) .100	TIN	(1.27) .050						
I	-0081/-0120	R.F.M.						(2.72) .107		(11.10) .437		(6.10) .240		30 GOLD		GOLD	(2.54) .100	TIN	(1.27) .050						
	-0121/-0160	R.F.M.						(2.72) .107		(11.10) .437		(6.10) .240		TIN		TIN	(2.54) .100	TIN	(1.27) .050	PK-70873-0090 (TUBE)					
	-0161/-0200	R.F.M.						(4.45) .175		(12.83) .505		(6.10) .240		TIN		TIN	(2.54) .100	TIN	(1.27) .050						
H	-0201/-0240	R.F.M.						(4.45) .175		(12.83) .505		(6.10) .240		15 GOLD		GOLD	(2.54) .100	TIN	(1.27) .050						
	-0241/-0280	R.F.M.						(4.45) .175		(12.83) .505		(6.10) .240		30 GOLD		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	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	CKTS
02	N.A.	A-8624-0001	N.A.	A-8624-0041	N.A.	A-8624-0081	N.A.	A-8624-0121	N.A.	A-8624-0161	N.A.	A-8624-0201	N.A.	A-8624-0241	N.A.	A-8624-0281	N.A.	A-8624-0321	N.A.	A-8624-0361	N.A.	A-8624-0401	N.A.	A-8624-0441	02
04	10-88-1041	A-8624-0002	10-89-1041	A-8624-0042	10-89-2041	A-8624-0082	10-89-3064	A-8624-0122	10-88-1042	A-8624-0162	10-89-1042	A-8624-0202	10-89-2042	A-8624-0242	10-89-2042	A-8624-0242	10-89-2042	A-8624-0242	10-89-2062	A-8624-0243	10-89-2062	A-8624-0243	10-89-2062	A-8624-0243	06
06	10-88-1061	A-8624-0003	10-89-1061	A-8624-0043	10-89-2061	A-8624-0083	10-89-3064	A-8624-0123	10-88-1062	A-8624-0163	10-89-1062	A-8624-0203	10-89-2062	A-8624-0243	10-89-2062	A-8624-0243	10-89-2062	A-8624-0243	10-89-2062	A-8624-0243	10-89-2062	A-8624-0243	10-89-2062	A-8624-0243	06
08	10-88-1081	A-8624-0004	10-89-1081	A-8624-0044	10-89-2081	A-8624-0084	10-89-3104	A-8624-0124	10-88-1082	A-8624-0164	10-89-1082	A-8624-0204	10-89-2082	A-8624-0244	10-89-2082	A-8624-0244	10-89-2082	A-8624-0244	10-89-2082	A-8624-0244	10-89-2082	A-8624-0244	10-89-2082	A-8624-0244	08
10	10-88-1101	A-8624-0005	10-89-1101	A-8624-0045	10-89-2101	A-8624-0085	10-89-3104	A-8624-0125	10-88-1102	A-8624-0165	10-89-1102	A-8624-0205	10-89-2102	A-8624-0245	10-89-2102	A-8624-0245	10-89-2102	A-8624-0245	10-89-2102	A-8624-0245	10-89-2102	A-8624-0245	10-89-2102	A-8624-0245	10
12	10-88-1121	A-8624-0006	10-89-1121	A-8624-0046	10-89-2121	A-8624-0086	10-89-3104	A-8624-0126	10-88-1122	A-8624-0166	10-89-1122	A-8624-0206	10-89-2122	A-8624-0246	10-89-2122	A-8624-0246	10-89-2122	A-8624-0246	10-89-2122	A-8624-0246	10-89-2122	A-8624-0246	10-89-2122	A-8624-0246	12
14	10-88-1141	A-8624-0007	10-89-1141	A-8624-0047	10-89-2141	A-8624-0087	10-89-3104	A-8624-0127	10-88-1142	A-8624-0167	10-89-1142	A-8624-0207	10-89-2142	A-8624-0247	10-89-2142	A-8624-0247	10-89-2142	A-8624-0247	10-89-2142	A-8624-0247	10-89-2142	A-8624-0247	10-89-2142	A-8624-0247	14
16	10-88-1161	A-8624-0008	10-89-1161	A-8624-0048	10-89-2161	A-8624-0088	10-89-3104	A-8624-0128	10-88-1162	A-8624-0168	10-89-1162	A-8624-0208	10-89-2162	A-8624-0248	10-89-2162	A-8624-0248	10-89-2162	A-8624-0248	10-89-2162	A-8624-0248	10-89-2162	A-8624-0248	10-89-2162	A-8624-0248	16
18	10-88-1181	A-8624-0009	10-89-1181	A-8624-0049	10-89-2181	A-8624-0089	10-89-3104	A-8624-0129	10-88-1182	A-8624-0169	10-89-1182	A-8624-0209	10-89-2182	A-8624-0249	10-89-2182	A-8624-0249	10-89-2182	A-8624-0249	10-89-2182	A-8624-0249	10-89-2182	A-8624-0249	10-89-2182	A-8624-0249	18
20	10-88-1201	A-8624-0010	10-89-1201	A-8624-0050	10-89-2201	A-8624-0090	10-89-3104	A-8624-0130	10-88-1202	A-8624-0170	10-89-1202	A-8624-0210	10-89-2202	A-8624-0250	10-89-2202	A-8624-0250	10-89-2202	A-8624-0250	10-89-2202	A-8624-0250	10-89-2202	A-8624-0250	10-89-2202	A-8624-0250	20
22	10-88-1221	A-8624-0011	10-89-1221	A-8624-0051	10-89-2221	A-8624-0091	10-89-3104	A-8624-0131	10-88-1222	A-8624-0171	10-89-1222	A-8624-0211	10-89-2222	A-8624-0251	10-89-2222	A-8624-0251	10-89-2222	A-8624-0251	10-89-2222	A-8624-0251	10-89-2222	A-8624-0251	10-89-2222	A-8624-0251	22
24	10-88-1241	A-8624-0012	10-89-1241	A-8624-0052	10-89-2241	A-8624-0092	10-89-3104	A-8624-0132	10-88-1242	A-8624-0172	10-89-1242	A-8624-0212	10-89-2242	A-8624-0252	10-89-2242	A-8624-0252	10-89-2242	A-8624-0252	10-89-2242	A-8624-0252	10-89-2242	A-8624-0252	10-89-2242	A-8624-0252	24
26	10-88-1261	A-8624-0013	10-89-1261	A-8624-0053	10-89-2261	A-8624-0093	10-89-3104	A-8624-0133	10-88-1262	A-8624-0173	10-89-1262	A-8624-0213	10-89-2262	A-8624-0253	10-89-2262	A-8624-0253	10-89-2262	A-8624-0253	10-89-2262	A-8624-0253	10-89-2262	A-8624-0253	10-89-2262	A-8624-0253	26
28	10-88-1281	A-8624-0014	10-89-1281	A-8624-0054	10-89-2281	A-8624-0094	10-89-3104	A-8624-0134	10-88-1282	A-8624-0174	10-89-1282	A-8624-0214	10-89-2282	A-8624-0254	10-89-2282	A-8624-0254	10-89-2282	A-8624-0254	10-89-2282	A-8624-0254	10-89-2282	A-8624-0254	10-89-2282	A-8624-0254	28
30	10-88-1301	A-8624-0015	10-89-1301	A-8624-0055	10-89-2301	A-8624-0095	10-89-3104	A-8624-0135	10-88-1302	A-8624-0175	10-89-1302	A-8624-0215	10-89-2302	A-8624-0255	10-89-2302	A-8624-0255	10-89-2302	A-8624-0255	10-89-2302	A-8624-0255	10-89-2302	A-8624-0255	10-89-2302	A-8624-0255	30
32	10-88-1321	A-8624-0016	10-89-1321	A-8624-0056	10-89-2321	A-8624-0096	10-89-3104	A-8624-0136	10-88-1322	A-8624-0176	10-89-1322	A-8624-0216	10-89-2322	A-8624-0256	10-89-2322	A-8624-0256	10-89-2322	A-8624-0256	10-89-2322	A-8624-0256	10-89-2322	A-8624-0256	10-89-2322	A-8624-0256	32
34	10-88-1341	A-8624-0017	10-89-1341	A-8624-0057	10-89-2341	A-8624-0097	10-89-3104	A-8624-0137	10-88-1342	A-8624-0177	10-89-1342	A-8624-0217	10-89-2342	A-8624-0257	10-89-2342	A-8624-0257	10-89-2342	A-8624-0257	10-89-2342	A-8624-0257	10-89-2342	A-8624-0257	10-89-2342	A-8624-0257	34
36	10-88-1361	A-8624-0018	10-89-1361	A-8624-0058	10-89-2361	A-8624-0098	10-89-3104	A-8624-0138	10-88-1362	A-8624-0178	10-89-1362	A-8624-0218	10-89-2362	A-8624-0258	10-89-2362	A-8624-0258	10-89-2362	A-8624-0258	10-89-2362	A-8624-0258	10-89-2362	A-8624-0258	10-89-2362	A-8624-0258	36
38	10-88-1381	A-8624-0019	10-89-1381	A-8624-0059	10-89-2381	A-8624-0099	10-89-3104	A-8624-0139	10-88-1382	A-8624-0179	10-89-1382	A-8624-0219	10-89-2382	A-8624-0259	10-89-2382	A-8624-0259	10-89-2382	A-8624-0259	10-89-2382	A-8624-0259	10-89-2382	A-8624-0259	10-89-2382	A-8624-0259	38
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42	10-88-1421	A-8624-0021	10-89-1421	A-8624-0061	10-89-2421	A-8624-0101	10-89-3104	A-8624-0141	10-88-1422	A-8624-0181	10-89-1422	A-8624-0221	10-89-2422	A-8624-0261	10-89-2422	A-8624-0261	10-89-2422	A-8624-0261	10-89-2422	A-8624-0261	10-89-2422	A-8624-0261	10-89-2422	A-8624-0261	42
44	10-88-1441	A-8624-0022	10-89-1441	A-8624-0062	10-89-2441	A-8624-0102	10-89-3104	A-8624-0142	10-88-1442	A-8624-0182	10-89-1442	A-8624-0222	10-89-2442	A-8624-0262	10-89-2442	A-8624-0262	10-89-2442	A-8624-0262	10-89-2442	A-8624-0262	10-89-2442	A-8624-0262	10-89-2442	A-8624-0262	44
46	10-88-1461	A-8624-0023	10-89-1461	A-8624-0063	10-89-2461	A-8624-0103	10-89-3104	A-8624-0143	10-88-1462	A-8624-0183	10-89-1462	A-8624-0223	10-89-2462	A-8624-0263	10-89-2462	A-8624-0263	10-89-2462	A-8624-0263	10-89-2462	A-8624-0263	10-89-2462	A-8624-0263	10-89-2462	A-8624-0263	46
48	10-88-1481	A-8624-0024	10-89-1481	A-8624-0064	10-89-2481	A-8624-0104	10-89-3104	A-8624-0144	10-88-1482	A-8624-0184	10-89-1482	A-8624-0224	10-89-2482	A-8624-0264	10-89-2482	A-8624-0264	10-89-2482	A-8624-0264	10-89-2482	A-8624-0264	10-89-2482	A-8624-0264	10-89-2482	A-8624-0264	48
50	10-88-1501	A-8624-0025	10-89-1501	A-8624-0065	10-89-2501	A-8624-0105	10-89-3104	A-8624-0145	10-88-1502	A-8624-0185	10-89-1502	A-8624-0225	10-89-2502	A-8624-0265	10-89-2502	A-8624-0265	10-89-2502	A-8624-0265	10-89-2502	A-8624-0265	10-89-2502	A-8624-0265	10-89-2502	A-8624-0265	50
52	10-88-1521	A-8624-0026	10-89-1521	A-8624-0066	10-89-2521	A-8624-0106	10-89-3104	A-8624-0146	10-88-1522	A-8624-0186	10-89-1522	A-8624-0226	10-89-2522	A-8624-0266	10-89-2522	A-8624-0266</									