



NO. OF CKTS.	DIM. A REF.		DIM. B REF.	
	MM	IN.	MM	IN.
4	4.83	.190	2.54	.100
6	7.37	.290	5.08	.200
8	9.91	.390	7.62	.300
10	12.45	.490	10.16	.400
12	14.99	.590	12.70	.500
14	17.53	.690	15.24	.600
16	20.07	.790	17.78	.700
18	22.61	.890	20.32	.800
20	25.15	.990	22.86	.900
22	27.69	1.090	25.40	1.000
24	30.23	1.190	27.94	1.100
26	32.77	1.290	30.48	1.200
28	35.31	1.390	33.02	1.300
30	37.85	1.490	35.56	1.400
32	40.39	1.590	38.10	1.500
34	42.93	1.690	40.64	1.600
36	45.47	1.790	43.18	1.700
38	48.01	1.890	45.72	1.800
40	50.55	1.990	48.26	1.900
42	53.09	2.090	50.80	2.000
44	55.63	2.190	53.34	2.100
46	58.17	2.290	55.88	2.200
48	60.71	2.390	58.42	2.300
50	63.25	2.490	60.96	2.400
52	65.79	2.590	63.50	2.500
54	68.33	2.690	66.04	2.600
56	70.87	2.790	68.58	2.700
58	73.41	2.890	71.12	2.800
60	75.95	2.990	73.66	2.900
62	78.49	3.090	76.20	3.000
64	81.03	3.190	78.74	3.100
66	83.57	3.290	81.28	3.200
68	86.11	3.390	83.82	3.300
70	88.65	3.490	86.36	3.400
72	91.19	3.590	88.90	3.500
74	93.73	3.690	91.44	3.600
76	96.27	3.790	93.98	3.700
78	98.81	3.890	96.52	3.800
80	101.35	3.990	99.06	3.900

**NOTES:**

- MATERIAL: WAFER - GLASS FILLED POLYESTER, UL94V-0, COLOR: BLACK  
PIN - PHOSPHOR BRONZE
- FINISH: (TIN)  
OVERALL TIN: (0.00381)/.000150 MIN.  
OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.  
SELECT GOLD: (0.000381)/.000015 MIN.  
SELECT TIN: (0.00191)/.000075 MIN.  
(15 GOLD)  
OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.  
SELECT GOLD: (0.00076)/.000030 MIN.  
SELECT TIN: (0.00191)/.000075 MIN.  
(30 GOLD)  
OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.  
SELECT GOLD: (0.00076)/.000030 MIN.  
SELECT TIN: (0.00191)/.000075 MIN.
- \*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.
- THIS PRODUCT CONFORMS TO PRODUCT SPECIFICATION PS-8624.
- PACKAGING INFORMATION: (UNLESS OTHERWISE NOTED IN TABLES)  
PARTS TO BE PACKAGED PER PK-70873-0353. BULK PACK WITH ANTISTATIC BAGS.
- MEASURE POINT FOR PLATING THICKNESS.
- RETENTIVE TAIL LOCATIONS (SEE VIEW "A")

NUMBER OF CIRCUITS IN ROW B	RETENTIVE TAIL LOCATIONS
EVEN NUMBER	2 PINS IN THE MIDDLE OF ROW B
ODD NUMBER	PIN IN THE CENTER OF ROW B AND ONE OTHER PIN IN ROW B ON EITHER SIDE OF THE CENTER PIN

- PIN PUSHOUT FORCE: 4 LBS. MIN. (IN EITHER DIRECTION)
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE IS SHOWN.
- PINS MUST MEET SOLDERABILITY SPEC. SMES-152. EXCEPT VOIDS ARE PERMISSIBLE AT BANDOLIER PIN FAYING SURFACE. (APPROXIMATELY (0.64)/.025 LNG X (0.15)/.006 WIDE REF.)
- WAFER TO BE FLAT WITHIN (0.003 MM/MM)/.003 IN./IN.
- FOR ASSEMBLIES WITH VOIDED PINS, SEE DRAWING NUMBER SDA-70287-5001-9999.
- PARTS CONFORM TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

UPDATE TITLE BLOCK EC NO: UCP2007-0511 2006/12/24 DRAWN BY: CHK/SCH/MT 2007/01/09 APPR: FSH/TH 2007/01/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± .13 ± .01 1 PLACE ± 0.25 ± ---	MM/IN	4:1	INCH	
	▽=0	ANGULAR ±1/2°	DRAWN BY: SMR CHECKED BY: SMR APPROVED BY: SMR	DATE: 1993/06/02 DATE: 1993/06/02 DATE: 1993/06/02	TITLE: SALES ASSEMBLY DUAL ROW .025 SQ. PINS/.100 GRID W/RETENTION PINS	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART SIZE C	DOCUMENT NO. SDA-70287-0001-5000	SHEET NO. 1 OF 2	

13		12		11		10		9		8		7		6		5		4		3		2		1	
ENGINEERING NUMBER A-70287	RELEASE FOR MANUFACTURE	E REF.	L REF.	C REF. (0.25) .010	RETENTIVE PIN LOCATION	PLATING TYPE SEE CODES LISTED ON SHEET 1	CONNECTOR END PLATING		P.C. BOARD END PLATING		FOR PACKAGING INFORMATION SEE NOTE 4, SHEET 1 UNLESS SPECIFIED BELOW														
							TYPE	D MEAS.	TYPE	F MEAS.															
-0002/-0040	R.F.M.	(3.18) .125	(11.56) .455	(6.10) .240	SEE NOTE 6, SHEET 1	TIN	TIN	(2.54) .100	TIN	(1.27) .050															
-0042/-0080	R.F.M.	(3.18) .125	(13.59) .535	(8.13) .320	SEE NOTE 6, SHEET 1	TIN	TIN	(4.57) .180	TIN	(1.27) .050															
-0082/-0120	R.F.M.	(3.18) .125	(11.56) .455	(6.10) .240	SEE NOTE 6, SHEET 1	15 GOLD	GOLD	(2.54) .100	TIN	(1.27) .050															
-0122/-0160	R.F.M.	(3.18) .125	(13.59) .535	(8.13) .320	SEE NOTE 6, SHEET 1	15 GOLD	GOLD	(4.57) .180	TIN	(1.27) .050															
-0162/-0200	R.F.M.	(3.18) .125	(11.56) .455	(6.10) .240	SEE NOTE 6, SHEET 1	30 GOLD	GOLD	(2.54) .100	TIN	(1.27) .050															
-0202/-0240	R.F.M.	(3.18) .125	(13.59) .535	(8.13) .320	SEE NOTE 6, SHEET 1	30 GOLD	GOLD	(4.57) .180	TIN	(1.27) .050															
-0242/-0280																									

  

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	CKTS
04	IO-96-7043	A-70287-0002	IO-96-7044	A-70287-0042	IO-96-7045	A-70287-0082	IO-96-7046	A-70287-0122	IO-96-7047	A-70287-0162	IO-96-7048	A-70287-0202	A-70287-0242	04							
06	IO-96-7063	A-70287-0003	IO-96-7064	A-70287-0043	IO-96-7065	A-70287-0083	IO-96-7066	A-70287-0123	IO-96-7067	A-70287-0163	IO-96-7068	A-70287-0203	A-70287-0243	06							
08	IO-96-7083	A-70287-0004	IO-96-7084	A-70287-0044	IO-96-7085	A-70287-0084	IO-96-7086	A-70287-0124	IO-96-7087	A-70287-0164	IO-96-7088	A-70287-0204	A-70287-0244	08							
10	IO-96-7103	A-70287-0005	IO-96-7104	A-70287-0045	IO-96-7105	A-70287-0085	IO-96-7106	A-70287-0125	IO-96-7107	A-70287-0165	IO-96-7108	A-70287-0205	A-70287-0245	10							
12	IO-96-7123	A-70287-0006	IO-96-7124	A-70287-0046	IO-96-7125	A-70287-0086	IO-96-7126	A-70287-0126	IO-96-7127	A-70287-0166	IO-96-7128	A-70287-0206	A-70287-0246	12							
14	IO-96-7143	A-70287-0007	IO-96-7144	A-70287-0047	IO-96-7145	A-70287-0087	IO-96-7146	A-70287-0127	IO-96-7147	A-70287-0167	IO-96-7148	A-70287-0207	A-70287-0247	14							
16	IO-96-7163	A-70287-0008	IO-96-7164	A-70287-0048	IO-96-7165	A-70287-0088	IO-96-7166	A-70287-0128	IO-96-7167	A-70287-0168	IO-96-7168	A-70287-0208	A-70287-0248	16							
18	IO-96-7183	A-70287-0009	IO-96-7184	A-70287-0049	IO-96-7185	A-70287-0089	IO-96-7186	A-70287-0129	IO-96-7187	A-70287-0169	IO-96-7188	A-70287-0209	A-70287-0249	18							
20	IO-96-7203	A-70287-0010	IO-96-7204	A-70287-0050	IO-96-7205	A-70287-0090	IO-96-7206	A-70287-0130	IO-96-7207	A-70287-0170	IO-96-7208	A-70287-0210	A-70287-0250	20							
22	IO-96-7223	A-70287-0011	IO-96-7224	A-70287-0051	IO-96-7225	A-70287-0091	IO-96-7226	A-70287-0131	IO-96-7227	A-70287-0171	IO-96-7228	A-70287-0211	A-70287-0251	22							
24	IO-96-7243	A-70287-0012	IO-96-7244	A-70287-0052	IO-96-7245	A-70287-0092	IO-96-7246	A-70287-0132	IO-96-7247	A-70287-0172	IO-96-7248	A-70287-0212	A-70287-0252	24							
26	IO-96-7263	A-70287-0013	IO-96-7264	A-70287-0053	IO-96-7265	A-70287-0093	IO-96-7266	A-70287-0133	IO-96-7267	A-70287-0173	IO-96-7268	A-70287-0213	A-70287-0253	26							
28	IO-96-7283	A-70287-0014	IO-96-7284	A-70287-0054	IO-96-7285	A-70287-0094	IO-96-7286	A-70287-0134	IO-96-7287	A-70287-0174	IO-96-7288	A-70287-0214	A-70287-0254	28							
30	IO-96-7303	A-70287-0015	IO-96-7304	A-70287-0055	IO-96-7305	A-70287-0095	IO-96-7306	A-70287-0135	IO-96-7307	A-70287-0175	IO-96-7308	A-70287-0215	A-70287-0255	30							
32	IO-96-7323	A-70287-0016	IO-96-7324	A-70287-0056	IO-96-7325	A-70287-0096	IO-96-7326	A-70287-0136	IO-96-7327	A-70287-0176	IO-96-7328	A-70287-0216	A-70287-0256	32							
34	IO-96-7343	A-70287-0017	IO-96-7344	A-70287-0057	IO-96-7345	A-70287-0097	IO-96-7346	A-70287-0137	IO-96-7347	A-70287-0177	IO-96-7348	A-70287-0217	A-70287-0257	34							
36	IO-96-7363	A-70287-0018	IO-96-7364	A-70287-0058	IO-96-7365	A-70287-0098	IO-96-7366	A-70287-0138	IO-96-7367	A-70287-0178	IO-96-7368	A-70287-0218	A-70287-0258	36							
38	IO-96-7383	A-70287-0019	IO-96-7384	A-70287-0059	IO-96-7385	A-70287-0099	IO-96-7386	A-70287-0139	IO-96-7387	A-70287-0179	IO-96-7388	A-70287-0219	A-70287-0259	38							
40	IO-96-7403	A-70287-0020	IO-96-7404	A-70287-0060	IO-96-7405	A-70287-0100	IO-96-7406	A-70287-0140	IO-96-7407	A-70287-0180	IO-96-7408	A-70287-0220	A-70287-0260	40							
42	IO-96-7423	A-70287-0021	IO-96-7424	A-70287-0061	IO-96-7425	A-70287-0101	IO-96-7426	A-70287-0141	IO-96-7427	A-70287-0181	IO-96-7428	A-70287-0221	A-70287-0261	42							
44	IO-96-7443	A-70287-0022	IO-96-7444	A-70287-0062	IO-96-7445	A-70287-0102	IO-96-7446	A-70287-0142	IO-96-7447	A-70287-0182	IO-96-7448	A-70287-0222	A-70287-0262	44							
46	IO-96-7463	A-70287-0023	IO-96-7464	A-70287-0063	IO-96-7465	A-70287-0103	IO-96-7466	A-70287-0143	IO-96-7467	A-70287-0183	IO-96-7468	A-70287-0223	A-70287-0263	46							
48	IO-96-7483	A-70287-0024	IO-96-7484	A-70287-0064	IO-96-7485	A-70287-0104	IO-96-7486	A-70287-0144	IO-96-7487	A-70287-0184	IO-96-7488	A-70287-0224	A-70287-0264	48							
50	IO-96-7503	A-70287-0025	IO-96-7504	A-70287-0065	IO-96-7505	A-70287-0105	IO-96-7506	A-70287-0145	IO-96-7507	A-70287-0185	IO-96-7508	A-70287-0225	A-70287-0265	50							
52	IO-96-7523	A-70287-0026	IO-96-7524	A-70287-0066	IO-96-7525	A-70287-0106	IO-96-7526	A-70287-0146	IO-96-7527	A-70287-0186	IO-96-7528	A-70287-0226	A-70287-0266	52							
54	IO-96-7543	A-70287-0027	IO-96-7544	A-70287-0067	IO-96-7545	A-70287-0107	IO-96-7546	A-70287-0147	IO-96-7547	A-70287-0187	IO-96-7548	A-70287-0227	A-70287-0267	54							
56	IO-96-7563	A-70287-0028	IO-96-7564	A-70287-0068	IO-96-7565	A-70287-0108	IO-96-7566	A-70287-0148	IO-96-7567	A-70287-0188	IO-96-7568	A-70287-0228	A-70287-0268	56							
58	IO-96-7583	A-70287-0029	IO-96-7584	A-70287-0069	IO-96-7585	A-70287-0109	IO-96-7586	A-70287-0149	IO-96-7587	A-70287-0189	IO-96-7588	A-70287-0229	A-70287-0269	58							
60	IO-96-7603	A-70287-0030	IO-96-7604	A-70287-0070	IO-96-7605	A-70287-0110	IO-96-7606	A-70287-0150	IO-96-7607	A-70287-0190	IO-96-7608	A-70287-0230	A-70287-0270	60							
62	IO-96-7623	A-70287-0031	IO-96-7624	A-70287-0071	IO-96-7625	A-70287-0111	IO-96-7626	A-70287-0151	IO-96-7627	A-70287-0191	IO-96-7628	A-70287-0231	A-70287-0271	62							
64	IO-96-7643	A-70287-0032	IO-96-7644	A-70287-0072	IO-96-7645	A-70287-0112	IO-96-7646	A-70287-0152	IO-96-7647	A-70287-0192	IO-96-7648	A-70287-0232	A-70287-0272	64							
66	IO-96-7663	A-70287-0033	IO-96-7664	A-70287-0073	IO-96-7665	A-70287-0113	IO-96-7666	A-70287-0153	IO-96-7667	A-70287-0193	IO-96-7668	A-70287-0233	A-70287-0273	66							
68	IO-96-7683	A-70287-0034	IO-96-7684	A-70287-0074	IO-96-7685	A-70287-0114	IO-96-7686	A-70287-0154	IO-96-7687	A-70287-0194	IO-96-7688	A-70287-0234	A-70287-0274	68							
70	IO-96-7703	A-70287-0035	IO-96-7704	A-70287-0075	IO-96-7705	A-70287-0115	IO-96-7706	A-70287-0155	IO-96-7707	A-70287-0195	IO-96-7708	A-70287-0235	A-70287-0275	70							
72	IO-96-7723	A-70287-0036	IO-96-7724	A-70287-0076	IO-96-7725	A-70287-0116	IO-96-7726	A-70287-0156	IO-96-7727	A-70287-0196	IO-96-7728	A-70287-0236	A-70287-0276	72							
74	IO-96-7743	A-70287-0037	IO-96-7744	A-70287-0077	IO-96-7745	A-70287-0117	IO-96-7746	A-70287-0157	IO-96-7747	A-70287-0197	IO-96-7748	A-70287-0237	A-70287-0277	74							
76	IO-96-7763	A-70287-0038	IO-96-7764	A-70287-0078	IO-96-7765	A-70287-0118	IO-96-7766	A-70287-0158	IO-96-7767	A-70287-0198	IO-96-7768	A-70287-0238	A-70287-0278	76							
78	IO-96-7783	A-70287-0039	IO-96-7784	A-70287-0079	IO-96-7785	A-70287-0119	IO-96-7786	A-70287-0159	IO-96-7787	A-70287-0199	IO-96-7788	A-70287-0239	A-70287-0279	78							
80	IO-96-7803	A-70287-0040	IO-96-7804	A-70287-0080	IO-96-7805	A-70287-0120	IO-96-7806	A-70287-0160	IO-96-7807	A-70287-0200	IO-96-7808	A-70287-0240	A-70287-0280	80							

  

UPDATE TITLE BLOCK EC NO: UCP2007-0511 2004/12/27 DRAWN BY: CHACKLSORJ01 APP: PEST JH 2007/01/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm	INCH	IN/MM	---	INCH		
DRAWN BY: SMR CHECKED BY: SMR APPROVED BY: SMR DATE: 1993/06/02	4 PLACES ±.005		DRAWN BY: SMR		DATE: 1993/06/02	TITLE: SALES ASSEMBLY DUAL ROW .025 SQ PINS/.100 GRID W/RETENTION PINS		
	3 PLACES ±.013		CHECKED BY: SMR		DATE: 1993/06/02	MOLEX INCORPORATED		
	2 PLACES ±.013		APPROVED BY: SMR		DATE: 1993/06/02	MATERIAL NO. SEE CHART DOCUMENT NO. SDA-70287-0001-5000 SHEET NO. 2 OF 2		
1 PLACE ±0.25		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		