





CKT. SIZE	DIM. A		DIM. B	
	(MM)	INCH	(MM)	INCH
04	(2.54)	.100	(4.83)	.190
06	(5.08)	.200	(7.37)	.290
08	(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

**GENERAL NOTES:**

- PIN PUSHOUT FORCE: 4 LBS. MIN.
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE WAFER IS SHOWN.
- PINS MUST MEET SOLDERABILITY SPEC. NO. 152
- WAFER TO BE FLAT WITHIN (0.03 MM/CM) .003 IN./IN.
- FOR ASSEMBLIES WITH VOIDED PINS; SEE DRAWING NUMBER A-70216-5001-9999.
- THIS PRODUCT CONFORMS TO PRODUCT SPEC PS-70216.
- PACKAGING INFORMATION: (UNLESS OTHERWISE NOTED IN TABLES)

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

**FINISH:**

- (164) .000150 MIN. TIN/LEAD OVER-ALL
- (571) .000015 MIN. GOLD PLATE IN SELECTED AREA AND .000075 MIN. TIN/LEAD IN SELECTED AREA
- (574) .000030 MIN. GOLD PLATE IN SELECTED AREA AND .000075 MIN. TIN/LEAD IN SELECTED AREA
- (596) .000050 MIN. GOLD PLATE IN SELECTED AREA AND .000075 MIN. TIN/LEAD IN SELECTED AREA

**MATERIAL:**

PINS - PHOS. BRONZE  
WAFER - G.F. POLYESTER, 94V-0; COLOR: BLACK

D3	REVISE PKGNG ECN U072000-0949 SCHAFFER 00/4/6
D2	ADDED PART PER ECN # U71190 SCARTH 97/04/08
D1	ADDED PART PER ECN # U70668 SCARTH 96/12/13
D	REVISED PER ECN # U70414 SCARTH 96/11/04
C1	ADDED EDP NO'S PER ECN # U60256 95/08/23 CAC
C	VOIDED EDP NO'S PER ECN # U60097 95/07/27 CAC
B	REVISED INFORM PER ECN NO US0982 03-31-95 BJS
A	RELEASED PER ECN NO. U40640 05-18-94 RCB

5	D2
4	D2
3	D2
2	D2
1	D3

70216

UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 1/2°

PLACES	INCH	METRIC
3 PLACE	± .005	---
2 PLACE	± .01	± 0.13
1 PLACE	---	± 0.25

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY: RCB CHK'D. BY: SCALE: 4 : 1

FILE NAME: 570216X1 DIV. SIZE: DA

DATE: 05/18/94

SALES ASS'Y-RIGHT ANGLE WAFER W/BREAK-OFF OPTION .100 GRID DUAL ROW W/.025 SQUARE PINS

MOLEX INCORPORATED SHEET NO. 1 OF 5 DATE 05/18/94

SDA-70216-0079-5000

J	I3	I2	I1		I0	9	8	7	6	70216		4	3	2	I
			C	D						CONNECTOR END PLATING	P.C. BOARD END PLATING				
	ENGINEERING PART NUMBER A-70216-	RELEASE FOR MANUFACTURE	REF.	$\pm \frac{(0.25)}{.010}$					PLATE PER E.S. (88)	TYPE	E MEAS.		TYPE	G MEAS.	PACKAGE PER
I	-0079/-0117	RFM	(2.79) .110	(6.10) .240					164	TIN/LEAD	(2.54) .100		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
I	-0118/-0156	RFM	(2.79) .110	(8.13) .320					164	TIN/LEAD	(4.57) .180		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
H	-0235/-0273	RFM	(2.79) .110	(6.10) .240					571	GOLD	(2.54) .100		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
H	-0274/-0312	RFM	(2.79) .110	(8.13) .320					571	GOLD	(4.57) .180		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
H	-0313/-0351	RFM	(4.19) .165	(6.10) .240					571	GOLD	(2.54) .100		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
G	-0391/-0429	RFM	(2.79) .110	(6.10) .240					574	GOLD	(2.54) .100		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
G	-0430/-0468	RFM	(2.79) .110	(8.13) .320					574	GOLD	(4.57) .180		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
F	-0469/-0507	RFM	(4.45) .175	(6.10) .240					574	GOLD	(2.54) .100		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
F	-0547/-0585	RFM	(2.79) .110	(6.10) .240					596	GOLD	(2.54) .100		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
E	-0664/-0702	RFM	(2.79) .110	(9.53) .375					571	GOLD	(4.57) .180		TIN/LEAD	(1.27) .050	NOTE #7 ON SHEET I
D	-0703/-0741														NOTE #7 ON SHEET I
D	-0742/-0780														NOTE #7 ON SHEET I

CHARTED DIMENSIONS FOR ASSEMBLIES LISTED AFTER A-70216-0780 WILL CONTINUE ON SHEET 6.

C															
B															

A	D2	SEE SHEET I	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 1/2°	<input type="checkbox"/> = 0 <input type="checkbox"/> = 0 <b>REVISE ONLY ON CAD SYSTEM</b>	<b>SEE CHART</b> SDA-70216-0079-5000																							
	D1	SEE SHEET I																										
	D	SEE SHEET I	<table border="1"> <tr> <th colspan="2">INCH</th> <th colspan="2">METRIC</th> </tr> <tr> <td>3 PLACE ± .005</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>2 PLACE ± .01</td> <td>± 0.13</td> <td>---</td> <td>---</td> </tr> <tr> <td>1 PLACE ---</td> <td>± 0.25</td> <td>---</td> <td>---</td> </tr> </table>	INCH		METRIC		3 PLACE ± .005	---	---	---	2 PLACE ± .01	± 0.13	---	---	1 PLACE ---	± 0.25	---	---	<table border="1"> <tr> <td>FILE NAME</td> <td>570216X2</td> <td>DATE</td> <td>05/18/94</td> </tr> <tr> <td>DRWG. NO.</td> <td>69532</td> <td>SHEET NO.</td> <td>2</td> </tr> </table>	FILE NAME	570216X2	DATE	05/18/94	DRWG. NO.	69532	SHEET NO.	2
INCH		METRIC																										
3 PLACE ± .005	---	---	---																									
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FILE NAME	570216X2	DATE	05/18/94																									
DRWG. NO.	69532	SHEET NO.	2																									
	C1	SEE SHEET I	<table border="1"> <tr> <td>DRWG. BY</td> <td>RCB</td> <td>CHK'D. BY</td> <td></td> </tr> <tr> <td>APP'D. BY</td> <td></td> <td>SCALE</td> <td></td> </tr> </table>	DRWG. BY	RCB	CHK'D. BY		APP'D. BY		SCALE		<table border="1"> <tr> <td>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.</td> <td>DIV.</td> <td>SIZE</td> </tr> <tr> <td>DA</td> <td>C</td> <td></td> </tr> </table>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	DIV.	SIZE	DA	C											
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	LTR.	REVISIONS	LTR.	REVISIONS																								

J	NO. OF CKTS	FINISH CODE: 164 DIMENSIONS: C-(2.79) / .110 D-(6.10) / .240		FINISH CODE: 164 DIMENSIONS: C-(2.79) / .110 D-(8.13) / .320		FINISH CODE: 164 DIMENSIONS: C-(4.45) / .175 D-(6.10) / .240		FINISH CODE: 164 DIMENSIONS: C-(2.79) / .110 D-(8.13) / .320		FINISH CODE: 571 DIMENSIONS: C-(2.79) / .110 D-(6.10) / .240		FINISH CODE: 571 DIMENSIONS: C-(2.79) / .110 D-(8.13) / .320		
		EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	
		04	10-88-3041	A-70216-0079	10-88-3042	A-70216-0118							10-89-4042	A-70216-0235
06	10-88-3061	A-70216-0080	10-88-3062	A-70216-0119							10-89-4062	A-70216-0236	10-89-4063	A-70216-0275
08	10-88-3081	A-70216-0081	10-88-3082	A-70216-0120							10-89-4082	A-70216-0237	10-89-4083	A-70216-0276
10	10-88-3101	A-70216-0082	10-88-3102	A-70216-0121							10-89-4102	A-70216-0238	10-89-4103	A-70216-0277
12	10-88-3121	A-70216-0083	10-88-3122	A-70216-0122							10-89-4122	A-70216-0239	10-89-4123	A-70216-0278
14	10-88-3141	A-70216-0084	10-88-3142	A-70216-0123							10-89-4142	A-70216-0240	10-89-4143	A-70216-0279
16	10-88-3161	A-70216-0085	10-88-3162	A-70216-0124							10-89-4162	A-70216-0241	10-89-4163	A-70216-0280
18	10-88-3181	A-70216-0086	10-88-3182	A-70216-0125							10-89-4182	A-70216-0242	10-89-4183	A-70216-0281
20	10-88-3201	A-70216-0087	10-88-3202	A-70216-0126							10-89-4202	A-70216-0243	10-89-4203	A-70216-0282
22	10-88-3221	A-70216-0088	10-88-3222	A-70216-0127							10-89-4222	A-70216-0244	10-89-4223	A-70216-0283
24	10-88-3241	A-70216-0089	10-88-3242	A-70216-0128							10-89-4242	A-70216-0245	10-89-4243	A-70216-0284
26	10-88-3261	A-70216-0090	10-88-3262	A-70216-0129							10-89-4262	A-70216-0246	10-89-4263	A-70216-0285
28	10-88-3281	A-70216-0091	10-88-3282	A-70216-0130							10-89-4282	A-70216-0247	10-89-4283	A-70216-0286
30	10-88-3301	A-70216-0092	10-88-3302	A-70216-0131							10-89-4302	A-70216-0248	10-89-4303	A-70216-0287
32	10-88-3321	A-70216-0093	10-88-3322	A-70216-0132							10-89-4322	A-70216-0249	10-89-4323	A-70216-0288
34	10-88-3341	A-70216-0094	10-88-3342	A-70216-0133							10-89-4342	A-70216-0250	10-89-4343	A-70216-0289
36	10-88-3361	A-70216-0095	10-88-3362	A-70216-0134							10-89-4362	A-70216-0251	10-89-4363	A-70216-0290
38	10-88-3381	A-70216-0096	10-88-3382	A-70216-0135							10-89-4382	A-70216-0252	10-89-4383	A-70216-0291
40	10-88-3401	A-70216-0097	10-88-3402	A-70216-0136							10-89-4402	A-70216-0253	10-89-4403	A-70216-0292
42	10-88-3421	A-70216-0098	10-88-3422	A-70216-0137							10-89-4422	A-70216-0254	10-89-4423	A-70216-0293
44	10-88-3441	A-70216-0099	10-88-3442	A-70216-0138							10-89-4442	A-70216-0255	10-89-4443	A-70216-0294
46	10-88-3461	A-70216-0100	10-88-3462	A-70216-0139							10-89-4462	A-70216-0256	10-89-4463	A-70216-0295
48	10-88-3481	A-70216-0101	10-88-3482	A-70216-0140							10-89-4482	A-70216-0257	10-89-4483	A-70216-0296
50	10-88-3501	A-70216-0102	10-88-3502	A-70216-0141							10-89-4502	A-70216-0258	10-89-4503	A-70216-0297
52	10-88-3521	A-70216-0103	10-88-3522	A-70216-0142							10-89-4522	A-70216-0259	10-89-4523	A-70216-0298
54	10-88-3541	A-70216-0104	10-88-3542	A-70216-0143							10-89-4542	A-70216-0260	10-89-4543	A-70216-0299
56	10-88-3561	A-70216-0105	10-88-3562	A-70216-0144							10-89-4562	A-70216-0261	10-89-4563	A-70216-0300
58	10-88-3581	A-70216-0106	10-88-3582	A-70216-0145							10-89-4582	A-70216-0262	10-89-4583	A-70216-0301
60	10-88-3601	A-70216-0107	10-88-3602	A-70216-0146							10-89-4602	A-70216-0263	10-89-4603	A-70216-0302
62	10-88-3621	A-70216-0108	10-88-3622	A-70216-0147							10-89-4622	A-70216-0264	10-89-4623	A-70216-0303
64	10-88-3641	A-70216-0109	10-88-3642	A-70216-0148							10-89-4642	A-70216-0265	10-89-4643	A-70216-0304
66	10-88-3661	A-70216-0110	10-88-3662	A-70216-0149							10-89-4662	A-70216-0266	10-89-4663	A-70216-0305
68	10-88-3681	A-70216-0111	10-88-3682	A-70216-0150							10-89-4682	A-70216-0267	10-89-4683	A-70216-0306
70	10-88-3701	A-70216-0112	10-88-3702	A-70216-0151							10-89-4702	A-70216-0268	10-89-4703	A-70216-0307
72	10-88-3721	A-70216-0113	10-88-3722	A-70216-0152							10-89-4722	A-70216-0269	10-89-4723	A-70216-0308
74	10-88-3741	A-70216-0114	10-88-3742	A-70216-0153							10-89-4742	A-70216-0270	10-89-4743	A-70216-0309
76	10-88-3761	A-70216-0115	10-88-3762	A-70216-0154							10-89-4762	A-70216-0271	10-89-4763	A-70216-0310
78	10-88-3781	A-70216-0116	10-88-3782	A-70216-0155							10-89-4782	A-70216-0272	10-89-4783	A-70216-0311
80	10-88-3801	A-70216-0117	10-88-3802	A-70216-0156							10-89-4802	A-70216-0273	10-89-4803	A-70216-0312

C													C
B													B

A											DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 1/2°		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 1/2°		REVISIONS ONLY ON CAD SYSTEM	
											3 PLACE ±     INCH     METRIC 2 PLACE ±     ±     ± 1 PLACE ±     ±     ±		TITLE SALES ASS'Y-RIGHT ANGLE WAFER W/BREAK-OFF OPTION / .100 GRID DUAL ROW W/.025 SQUARE PINS		SHEET NO.     DATE 3     05/18/94	
											DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO.     DRWG. NO. MOLEX INCORPORATED     SDA-70216-0079-5000 LISLE, ILL.     U.S.A.     69532		FILE NAME     DIV. S002003     MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
											DRWG. BY     RCB     CHK'D. BY APP'D. BY             SCALE     :		LTR.     REVISIONS     LTR.     REVISIONS		SIZE     C	

13	12	11	10	9	8	7	6	5	4	3	2	1
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