



**NOTES:**

1. MATERIAL: SHROUDED WAFER: GLASS FILLED NYLON, COLOR: BLACK; UL94V-0  
PINS: PHOSPHOR BRONZE
2. FINISH: SEE CHARTS
3. PRODUCT SPECIFICATION: PS-8723
4. PACKAGING INFORMATION: SEE CHARTS
5. WINDOW NOT AVAILABLE ON 6 CKT.
6. FOR CHARTED DIMENSIONS AND ASSEMBLY NO.S NOT SHOWN ON THIS SHEET - SEE SHEET 2.
7. 20 CIRCUIT SIZE SHOWN FOR ILLUSTRATION PURPOSES.
8. PIN PUSHOUT FORCE: (17.79 N)/4 LBS.
9. PINS MUST MEET SOLDERABILITY SPEC. MIL-STD-202 METHOD 208B.
10. ROW TO ROW PIN HEIGHT VARIATION MUST NOT EXCEED (0.25)/010 IN.
11. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

CKT.	DIM. 'A'	DIM. 'B'	DIM. 'C'	DIM. 'D'	DIM. 'E'	DIM. 'F'	DIM. 'G'
06	(1.68) .066	(8.43) .332	(5.08) .200	(1.68) .066	---	---	---
08	(1.68) .066	(10.97) .432	(7.62) .300	(1.68) .066	---	---	---
10	(1.68) .066	(13.51) .532	(10.16) .400	(4.22) .166	---	---	---
12	(1.68) .066	(16.05) .632	(12.70) .500	(4.22) .166	---	---	---
14	(1.68) .066	(18.59) .732	(15.24) .600	(6.76) .266	---	---	---
16	(1.68) .066	(21.13) .832	(17.78) .700	(6.76) .266	---	---	---
18	(1.68) .066	(23.67) .932	(20.32) .800	(9.30) .366	---	---	---
20	(1.68) .066	(26.21) 1.032	(22.86) .900	(1.68) .066	(19.46) .766	---	---
22	(1.68) .066	(28.75) 1.132	(25.40) 1.000	(1.68) .066	(22.00) .866	---	---
24	(1.68) .066	(31.29) 1.232	(27.94) 1.100	(1.68) .066	(24.54) .966	(16.64) .655	---
26	(1.68) .066	(33.83) 1.332	(30.48) 1.200	(1.68) .066	(27.08) 1.066	(16.64) .655	---
28	(1.68) .066	(36.37) 1.432	(33.02) 1.300	(1.68) .066	(29.62) 1.166	(16.64) .655	---
30	(1.68) .066	(38.91) 1.532	(35.56) 1.400	(1.68) .066	(32.16) 1.266	(16.64) .655	---
32	(1.68) .066	(41.45) 1.632	(38.10) 1.500	(1.68) .066	(34.70) 1.366	(16.64) .655	---
34	(1.68) .066	(43.99) 1.732	(40.64) 1.600	(1.68) .066	(37.24) 1.466	(16.64) .655	(16.76) .660
36	(1.68) .066	(46.53) 1.832	(43.18) 1.700	(1.68) .066	(39.78) 1.566	(16.64) .655	(16.76) .660
38	(1.68) .066	(49.07) 1.932	(45.72) 1.800	(1.68) .066	(42.32) 1.666	(16.64) .655	(16.76) .660
40	(1.68) .066	(51.61) 2.032	(48.26) 1.900	(1.68) .066	(44.86) 1.766	(16.64) .655	(16.76) .660
42	(1.68) .066	(54.15) 2.132	(50.80) 2.000	(1.68) .066	(47.40) 1.866	(16.64) .655	(16.76) .660
44	(1.68) .066	(56.69) 2.232	(53.34) 2.100	(1.68) .066	(49.94) 1.966	(19.05) .755	(16.76) .660
46	(1.68) .066	(59.23) 2.332	(55.88) 2.200	(1.68) .066	(52.48) 2.066	(19.05) .755	(16.76) .660
48	(1.68) .066	(61.77) 2.432	(58.42) 2.300	(1.68) .066	(55.02) 2.166	(19.05) .755	(16.76) .660
50	(1.68) .066	(64.31) 2.532	(60.96) 2.400	(1.68) .066	(57.56) 2.266	(19.05) .755	(16.76) .660
52	(1.68) .066	(66.85) 2.632	(63.50) 2.500	(1.68) .066	(60.10) 2.366	(19.05) .755	(16.76) .660
54	(1.68) .066	(69.39) 2.732	(66.04) 2.600	(1.68) .066	(62.64) 2.466	(21.59) .850	(21.84) .860
56	(1.68) .066	(71.93) 2.832	(68.58) 2.700	(1.68) .066	(65.18) 2.566	(21.59) .850	(21.84) .860
58	(1.68) .066	(74.47) 2.932	(71.12) 2.800	(1.68) .066	(67.72) 2.666	(27.81) 1.095	(26.92) 1.060
60	(1.68) .066	(77.01) 3.032	(73.66) 2.900	(1.68) .066	(70.26) 2.766	(27.81) 1.095	(26.92) 1.060
62	(1.68) .066	(79.55) 3.132	(76.20) 3.000	(1.68) .066	(72.80) 2.866	(27.81) 1.095	(26.92) 1.060
64	(1.68) .066	(82.09) 3.232	(78.74) 3.100	(1.68) .066	(75.34) 2.966	(27.81) 1.095	(26.92) 1.060
66	(1.68) .066	(84.63) 3.332	(81.28) 3.200	(1.68) .066	(77.88) 3.066	(27.81) 1.095	(26.92) 1.060
68	(1.68) .066	(87.17) 3.432	(83.82) 3.300	(1.68) .066	(80.42) 3.166	(27.81) 1.095	(26.92) 1.060
70	(1.68) .066	(89.71) 3.532	(86.36) 3.400	(1.68) .066	(82.96) 3.266	(27.81) 1.095	(26.92) 1.060
72	(1.68) .066	(92.25) 3.632	(88.90) 3.500	(1.68) .066	(85.50) 3.366	(27.81) 1.095	(26.92) 1.060

**ASSEMBLY STYLES "A", "B", AND "G"**

<b>ADD NOTES</b> IEC NO. UCP2008-1539 DRAWN/ADDER CHYD/BELL APPR/FSM/TH 2008/01/28 2008/01/31 2008/02/08	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- ANGULAR ±1/2°	DIMENSION STYLE MM/IN	SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		DRAWN BY JL DATE 1986/06/26	CHECKED BY RB DATE 1986/06/26	APPROVED BY WAZ DATE 1986/06/26	MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-8724-*****	SHEET NO. 1 OF 8	MOLEX INCORPORATED
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
		SALES ASSEMBLY WAFER-RIGHT ANGLE FULLY SHROUDED .100 GRID						

NO. OF CKTS	TIN		TIN		15 GOLD		15 GOLD		30 GOLD		30 GOLD		TIN	
	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
	06	15-42-7006	A-8724-06A164	15-42-7106	A-8724-06B164	15-29-7006	A-8724-06A571	15-29-7106	A-8724-06B571	15-41-8006	A-8724-06A574	15-41-8106	A-8724-06B574	15-41-9106
08	15-42-7008	A-8724-08A164	15-42-7108	A-8724-08B164	15-29-7008	A-8724-08A571	15-29-7108	A-8724-08B571	15-41-8008	A-8724-08A574	15-41-8108	A-8724-08B574	15-41-9108	A-8724-08G164
10	15-42-7010	A-8724-10A164	15-42-7110	A-8724-10B164	15-29-7010	A-8724-10A571	15-29-7110	A-8724-10B571	15-41-8010	A-8724-10A574	15-41-8110	A-8724-10B574	15-41-9110	A-8724-10G164
12	15-42-7012	A-8724-12A164	15-42-7112	A-8724-12B164	15-29-7012	A-8724-12A571	15-29-7112	A-8724-12B571	15-41-8012	A-8724-12A574	15-41-8112	A-8724-12B574	15-41-9112	A-8724-12G164
14	15-42-7014	A-8724-14A164	15-42-7114	A-8724-14B164	15-29-7014	A-8724-14A571	15-29-7114	A-8724-14B571	15-41-8014	A-8724-14A574	15-41-8114	A-8724-14B574	15-41-9114	A-8724-14G164
16	15-42-7016	A-8724-16A164	15-42-7116	A-8724-16B164	15-29-7016	A-8724-16A571	15-29-7116	A-8724-16B571	15-41-8016	A-8724-16A574	15-41-8116	A-8724-16B574	15-41-9116	A-8724-16G164
18	15-42-7018	A-8724-18A164	15-42-7118	A-8724-18B164	15-29-7018	A-8724-18A571	15-29-7118	A-8724-18B571	15-41-8018	A-8724-18A574	15-41-8118	A-8724-18B574	15-41-9118	A-8724-18G164
20	15-42-7020	A-8724-20A164	15-42-7120	A-8724-20B164	15-29-7020	A-8724-20A571	15-29-7120	A-8724-20B571	15-41-8020	A-8724-20A574	15-41-8120	A-8724-20B574	15-41-9120	A-8724-20G164
22	15-42-7022	A-8724-22A164	15-42-7122	A-8724-22B164	15-29-7022	A-8724-22A571	15-29-7122	A-8724-22B571	15-41-8022	A-8724-22A574	15-41-8122	A-8724-22B574	15-41-9122	A-8724-22G164
24	15-42-7024	A-8724-24A164	15-42-7124	A-8724-24B164	15-29-7024	A-8724-24A571	15-29-7124	A-8724-24B571	15-41-8024	A-8724-24A574	15-41-8124	A-8724-24B574	15-41-9124	A-8724-24G164
26	15-42-7026	A-8724-26A164	15-42-7126	A-8724-26B164	15-29-7026	A-8724-26A571	15-29-7126	A-8724-26B571	15-41-8026	A-8724-26A574	15-41-8126	A-8724-26B574	15-41-9126	A-8724-26G164
28	15-42-7028	A-8724-28A164	15-42-7128	A-8724-28B164	15-29-7028	A-8724-28A571	15-29-7128	A-8724-28B571	15-41-8028	A-8724-28A574	15-41-8128	A-8724-28B574	15-41-9128	A-8724-28G164
30	15-42-7030	A-8724-30A164	15-42-7130	A-8724-30B164	15-29-7030	A-8724-30A571	15-29-7130	A-8724-30B571	15-41-8030	A-8724-30A574	15-41-8130	A-8724-30B574	15-41-9130	A-8724-30G164
32	15-42-7032	A-8724-32A164	15-42-7132	A-8724-32B164	15-29-7032	A-8724-32A571	15-29-7132	A-8724-32B571	15-41-8032	A-8724-32A574	15-41-8132	A-8724-32B574	15-41-9132	A-8724-32G164
34	15-42-7034	A-8724-34A164	15-42-7134	A-8724-34B164	15-29-7034	A-8724-34A571	15-29-7134	A-8724-34B571	15-41-8034	A-8724-34A574	15-41-8134	A-8724-34B574	15-41-9134	A-8724-34G164
36	15-42-7036	A-8724-36A164	15-42-7136	A-8724-36B164	15-29-7036	A-8724-36A571	15-29-7136	A-8724-36B571	15-41-8036	A-8724-36A574	15-41-8136	A-8724-36B574	15-41-9136	A-8724-36G164
38	15-42-7038	A-8724-38A164	15-42-7138	A-8724-38B164	15-29-7038	A-8724-38A571	15-29-7138	A-8724-38B571	15-41-8038	A-8724-38A574	15-41-8138	A-8724-38B574	15-41-9138	A-8724-38G164
40	15-42-7040	A-8724-40A164	15-42-7140	A-8724-40B164	15-29-7040	A-8724-40A571	15-29-7140	A-8724-40B571	15-41-8040	A-8724-40A574	15-41-8140	A-8724-40B574	15-41-9140	A-8724-40G164
42	15-42-7042	A-8724-42A164	15-42-7142	A-8724-42B164	15-29-7042	A-8724-42A571	15-29-7142	A-8724-42B571	15-41-8042	A-8724-42A574	15-41-8142	A-8724-42B574	15-41-9142	A-8724-42G164
44	15-42-7044	A-8724-44A164	15-42-7144	A-8724-44B164	15-29-7044	A-8724-44A571	15-29-7144	A-8724-44B571	15-41-8044	A-8724-44A574	15-41-8144	A-8724-44B574	15-41-9144	A-8724-44G164
46	15-42-7046	A-8724-46A164	15-42-7146	A-8724-46B164	15-29-7046	A-8724-46A571	15-29-7146	A-8724-46B571	15-41-8046	A-8724-46A574	15-41-8146	A-8724-46B574	15-41-9146	A-8724-46G164
48	15-42-7048	A-8724-48A164	15-42-7148	A-8724-48B164	15-29-7048	A-8724-48A571	15-29-7148	A-8724-48B571	15-41-8048	A-8724-48A574	15-41-8148	A-8724-48B574	15-41-9148	A-8724-48G164
50	15-42-7050	A-8724-50A164	15-42-7150	A-8724-50B164	15-29-7050	A-8724-50A571	15-29-7150	A-8724-50B571	15-41-8050	A-8724-50A574	15-41-8150	A-8724-50B574	15-41-9150	A-8724-50G164
52	15-42-7052	A-8724-52A164	15-42-7152	A-8724-52B164	15-29-7052	A-8724-52A571	15-29-7152	A-8724-52B571	15-41-8052	A-8724-52A574	15-41-8152	A-8724-52B574	15-41-9152	A-8724-52G164
54	15-42-7054	A-8724-54A164	15-42-7154	A-8724-54B164	15-29-7054	A-8724-54A571	15-29-7154	A-8724-54B571	15-41-8054	A-8724-54A574	15-41-8154	A-8724-54B574	15-41-9154	A-8724-54G164
56	15-42-7056	A-8724-56A164	15-42-7156	A-8724-56B164	15-29-7056	A-8724-56A571	15-29-7156	A-8724-56B571	15-41-8056	A-8724-56A574	15-41-8156	A-8724-56B574	15-41-9156	A-8724-56G164
58	15-42-7058	A-8724-58A164	15-42-7158	A-8724-58B164	15-29-7058	A-8724-58A571	15-29-7158	A-8724-58B571	15-41-8058	A-8724-58A574	15-41-8158	A-8724-58B574	15-41-9158	A-8724-58G164
60	15-42-7060	A-8724-60A164	15-42-7160	A-8724-60B164	15-29-7060	A-8724-60A571	15-29-7160	A-8724-60B571	15-41-8060	A-8724-60A574	15-41-8160	A-8724-60B574	15-41-9160	A-8724-60G164
62	15-42-7062	A-8724-62A164	15-42-7162	A-8724-62B164	15-29-7062	A-8724-62A571	15-29-7162	A-8724-62B571	15-41-8062	A-8724-62A574	15-41-8162	A-8724-62B574	15-41-9162	A-8724-62G164
64	15-42-7064	A-8724-64A164	15-42-7164	A-8724-64B164	15-29-7064	A-8724-64A571	15-29-7164	A-8724-64B571	15-41-8064	A-8724-64A574	15-41-8164	A-8724-64B574	15-41-9164	A-8724-64G164
66	15-42-7066	A-8724-66A164	15-42-7166	A-8724-66B164	15-29-7066	A-8724-66A571	15-29-7166	A-8724-66B571	15-41-8066	A-8724-66A574	15-41-8166	A-8724-66B574	15-41-9166	A-8724-66G164
68	15-42-7068	A-8724-68A164	15-42-7168	A-8724-68B164	15-29-7068	A-8724-68A571	15-29-7168	A-8724-68B571	15-41-8068	A-8724-68A574	15-41-8168	A-8724-68B574	15-41-9168	A-8724-68G164
70	15-42-7070	A-8724-70A164	15-42-7170	A-8724-70B164	15-29-7070	A-8724-70A571	15-29-7170	A-8724-70B571	15-41-8070	A-8724-70A574	15-41-8170	A-8724-70B574	15-41-9170	A-8724-70G164
72	15-42-7072	A-8724-72A164	15-42-7172	A-8724-72B164	15-29-7072	A-8724-72A571	15-29-7172	A-8724-72B571	15-41-8072	A-8724-72A574	15-41-8172	A-8724-72B574	15-41-9172	A-8724-72G164

**PLATING FINISHES:**

**TIN** TIN (Sn) OVER ENTIRE PIN;  
THICKNESS=(3.75 MICROMETER)/75 MICROINCH MINIMUM;  
NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.

**15 GOLD** SELECTIVE GOLD (Au) IN THE CONTACT AREA;  
THICKNESS=(0.37 MICROMETER)/15 MICROINCH MINIMUM;  
SELECTIVE TIN (Sn) IN THE PC TAIL AREA;  
THICKNESS=(1.88 MICROMETER)/75 MICROINCH MINIMUM;  
NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.

**30 GOLD** SELECTIVE GOLD (Au) IN THE CONTACT AREA;  
THICKNESS=(0.75 MICROMETER)/30 MICROINCH MINIMUM;  
SELECTIVE TIN (Sn) IN THE PC TAIL AREA;  
THICKNESS=(1.88 MICROMETER)/75 MICROINCH MINIMUM;  
NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.

\*THE PRIMARY SHIPPING CARTON WILL BE LABELED \*COMPLIANT TO  
ROHS DIRECTIVE 2002/95/EC AND ELY ANNEX II OF DIRECTIVE 2000/53/EC.  
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

<b>UPDATE TITLE BLOCK</b> EC NO. UCP2008-1539 2008/01/28 DRAWN/ADDER 2008/01/31 CHYD/BELL 2008/02/08 APPROV/SM TH	<b>QUALITY SYMBOLS</b> 0 = 0 1 = 0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2°	<b>DIMENSION STYLE</b> MM/IN DRAWN BY JL DATE 1986/06/26 CHECKED BY RB DATE 1986/06/26 APPROVED BY DATE MATERIAL NO. WAZ DOCUMENT NO. SDA-8724-***** SHEET NO. 2 OF 8	<b>SCALE</b> --- <b>DESIGN UNITS</b> INCH <b>THIRD ANGLE PROJECTION</b>	<b>SALES ASSEMBLY</b> <b>WAFER-RIGHT ANGLE FULLY SHROUDED .100 GRID</b> <b>MOLEX INCORPORATED</b>
	<b>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</b>	<b>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</b>			