

DIM. "M"	DIM. "G"
$\frac{6.10}{.240}$	$\frac{10.67}{.420}$
$\frac{8.13}{.320}$	$\frac{12.70}{.500}$

P.C. BOARD PAD LAYOUT
AT ENDS FOR NO PEG VERSION.

PEG OPTIONS

SECTION Z-Z

NOTES:

1. MATERIALS: INSULATOR: GLASS FILLED LIQUID CRYSTAL
POLYMER (LCP). UL94 V-0, COLOR: BLACK
TERMINAL: COPPER ALLOY
2. FINISH:
- 59 TIN - 0.00150/0.00059 MINIMUM BRIGHT TIN OVER NICKEL OVERALL.
150 TIN - 0.00381/0.00150 MINIMUM BRIGHT TIN OVER NICKEL OVERALL.
15 GOLD - 0.00038/0.00015 MINIMUM GOLD IN SELECT AREA OVER
0.00191/0.00075 MINIMUM TIN IN SELECT AREA
OVER NICKEL OVERALL.
30 GOLD - 0.00076/0.00030 MINIMUM GOLD IN SELECT AREA OVER
0.00191/0.00075 MINIMUM TIN IN SELECT AREA
OVER NICKEL OVERALL.
50 GOLD - 0.00127/0.00050 MINIMUM GOLD IN SELECT AREA OVER
0.00254/0.00100 MINIMUM TIN IN SELECT AREA
OVER NICKEL OVERALL.
3. PART TO CONFORM TO PS-71308.
4. PACKAGING (SEE CHARTS):
- BULK: PER PK-70873-0353
TUBES: PER PK-70873-0041.
71308-82** IN TUBES: PER PK-70873-042.
TUBES W/ VAC CAPS: PER PK-70873-0691
TAPE AND REEL W/ VAC CAPS: PER PK-70873-0805.
SEE SHEET 3 FOR TAPE & REEL PRODUCT WITH SHALLOW POCKET REQUIREMENTS.
5. TYP. DIMENSIONS FOR LANDS SURROUNDING HOLES FOR RETENTION PEGS.
6. PIN SOLERABILITY PER MOLEX SPEC. ES-152.
7. SEE SHEETS 2-5 FOR CHARTED DIMS., PART/EDP NO'S, AND VOIDED CIRCUITS.
8. PIN PUSHOUT FORCE: 3 LBS. MINIMUM.
9. PICK-N-PLACE CAPS WILL BE PLACED SO THAT VACUUM PICK UP AREA
WILL BE IN CENTER OF PART.
10. COPLANARITY FOR CIRCUIT SIZES UP TO 40 IS 0.15 MM/006 INCH.
FOR CIRCUIT SIZES 42 AND LARGER, CONTACT MOLEX SALES DEPARTMENT.
11. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
COSMETIC SPECIFICATION PS-45499-002.
12. MEASURE POINT FOR PLATING THICKNESS.
-
- 3.56 ± 0.25
.140 ± 0.010
1.27 ± 0.010
H
SEE NOTE 12
V-
SEE

Technical drawing of a Peg Mounting Bracket. The drawing includes the following dimensions and callouts:

- Top Left:** A box containing "-V-" with a leader pointing to a vertical feature.
- Top Right:** A box containing $\frac{2.54}{.100}$ with a leader pointing to a horizontal dimension.
- Left Side:** "SEE NOTE 12" with a leader pointing to a vertical dimension.
- Bottom Left:** Two stacked dimensions: $3.56 \pm .25$ and $.140 \pm .010$, with leaders pointing to horizontal dimensions.
- Bottom Center:** Two stacked dimensions: $6.99 \pm .51$ and $.275 \pm .020$, with leaders pointing to horizontal dimensions.
- Right Side:** Two stacked dimensions: $1.27 \pm .05$ and ".REF", with leaders pointing to vertical dimensions.
- Bottom:** The text "NO PEG SEE PEG OPTIONS" is centered below the part.

ROW "A"

ROW "B"

Diagram illustrating the recommended P.C. board pad layout for a component with two pins.

Dimensions:

- Pin Diameter: $\varnothing$
- Hole Size: $0.64 \pm 0.13 / 0.025 \pm 0.005$ SEE NOTE 5
- Pad Width: $1.58 \pm 0.05 / 0.062 \pm 0.002$
- Pad Spacing: $2.22 / .088$ REF.
- Pad Thickness: 0.050
- Pad Length: $3.68 / .145$ TYP.
- Pad Width: $1.27 / .050$
- Pad Spacing: $4.44 / .175$
- Pad Thickness: 0.050
- Pad Length: $3.68 / .145$ TYP.
- Pad Width: $1.27 / .050$
- Pad Spacing: $4.44 / .175$
- Pad Thickness: 0.050
- Pad Length: $3.68 / .145$ TYP.

Notes:

- "B" $\pm 0.15 / \pm 0.006$
- "C"
- RECOMMENDED P.C.BOARD PAD LAYOUT
- FOR PARTS WITH PEGS: $\varnothing 0.50 / 0.020 U X$

- $\Phi 0.50/0.20$ UX FOR PARTS WITH PEGS
- $\Phi 0.50/0.20$ UY FOR PARTS WITHOUT PEGS

Side view of the 16-pin connector. The pins are arranged in two rows of eight. The overall length is dimensioned as "A" with a tolerance of $\pm 0.38 / -0.15$. The height of the connector is dimensioned as 5.08 with a tolerance of ± 0.200 . A "CUTOFF" line is indicated at the end of the connector.

- USED TO LOCATE VOIDED CIRCUITS

Technical drawing of a 19-pin D-sub connector. The drawing shows the side profile of the connector with 19 pins. Key dimensions and features include:

- Overall Width:** Dimensioned as $-W-$ at the top.
- Pin Diameter:** Dimensioned as $\oplus \varnothing 0.38/.015 U|V|W$ at the top.
- Pin Spacing:** Dimensioned as $2.54/.100$ TYPICAL between the first two pins.
- Pin Numbers:** Pins are numbered 1, 2, 3, ..., N from left to right.
- Pin Length:** Dimensioned as $"M"$ for the pins.
- Optional Peg:** A feature labeled "OPTIONAL PEG" is shown on the right side.
- Co-planarity:** A note "COPLANARITY - SEE NOTE 10" points to the pins.
- Mounting Features:** Features labeled $-U-$, $-X-$, and $-Y-$ are shown at the bottom.
- Other Dimensions:** Dimensions $"C"$ and $"B"$ are shown at the bottom, representing the distance from the mounting features to the right edge.

K5	CORRECT DIM H
	EC NO: UCP2014-0809
	DRWN:MKIPPER 2013/08/20
	CHKD:JBELL 2013/08/20
	APPR:FSMITH 2013/09/03

REV	DESCRIPTION	QUALITY SYMBOLS
		 = 0
		 = 0
		 = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± .---	± .---
3 PLACES	± .---	± .005
2 PLACES	± 0.13	± .010
1 PLACE	± 0.25	± .---
0 PLACE	± .---	± .---
ANGULAR ± 1/2°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
KMS	1999/10/15
CHECKED BY	DATE
KMS	1999/10/15
APPROVED BY	DATE
KMS	1999/10/15
MATERIAL NO.	
SEE TABLES	
SIZE	THIS DRAWING CONTAINS INCORPORATED AND

SCALE	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE		
SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100		
		
DOCUMENT NO.	SD-71308-001	SHEET NO. 1 OF 6
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

13			12		11		10		9		8		7		6		5		4		3		2		1			
PACKAGING SEE NOTE 4 SHT 1			4-6 CKT		BULK		TAPE-N-REEL W/ VAC CAPS		N/A		BULK		TAPE-N-REEL W/ VAC CAPS		N/A		BULK		TAPE-N-REEL W/ VAC CAPS		N/A				BULK		BULK	
			8-100 CKT		TUBES		TAPE-N-REEL W/ VAC CAPS		TUBES W/ VAC CAPS		TUBES		TAPE-N-REEL W/ VAC CAPS		TUBES W/ VAC CAPS		TUBES		TAPE-N-REEL W/ VAC CAPS		TUBES W/ VAC CAPS				TUBES		TUBES	
			DIM. M±0.25 MM				6.10 (.240)				6.10 (.240)				6.10 (.240)				6.10 (.240)				8.13 (.320)				8.13 (.320)	
			PLATING				150 TIN				15 GOLD				30 GOLD								15 GOLD				30 GOLD	
			DIM. H				2.54 (.100)				2.54 (.100)				2.54 (.100)				2.54 (.100)				4.57 (.180)				4.57 (.180)	
CKTS	DIM. A		DIM. B		EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	CKTS	
	MM	IN	MM	IN																								
04	5.08	.200	2.54	.100	015-91-2040	015-91-6040	N/A	015-91-0040	015-91-6042	N/A	015-91-3040	015-91-6043	N/A		015-91-0048	015-91-5049	04											
06	7.62	.300	5.08	.200	015-91-2060	015-91-6060	N/A	015-91-0060	015-91-6062	N/A	015-91-3060	015-91-6063	N/A		015-91-0068	015-91-5069	06											
08	10.16	.400	7.62	.300	015-91-2080	015-91-6080	015-91-3087	015-91-0080	015-91-6082	015-91-3086	015-91-3080	015-91-6083	015-91-3088		015-91-0088	015-91-5089	08											
10	12.70	.500	10.16	.400	015-91-2100	015-91-6100	015-91-3107	015-91-0100	015-91-6102	015-91-3106	015-91-3100	015-91-6103	015-91-3108		015-91-0108	015-91-5109	10											
12	15.24	.600	12.70	.500	015-91-2120	015-91-6120	015-91-3127	015-91-0120	015-91-6122	015-91-3126	015-91-3120	015-91-6123	015-91-3128		015-91-0128	015-91-5129	12											
14	17.78	.700	15.24	.600	015-91-2140	015-91-6140	015-91-3147	015-91-0140	015-91-6142	015-91-3146	015-91-3140	015-91-6143	015-91-3148		015-91-0148	015-91-5149	14											
16	20.32	.800	17.78	.700	015-91-2160	015-91-6160	015-91-3167	015-91-0160	015-91-6162	015-91-3166	015-91-3160	015-91-6163	015-91-3168		015-91-0168	015-91-5169	16											
18	22.86	.900	20.32	.800	015-91-2180		015-91-3187	015-91-0180		015-91-3186	015-91-3180		015-91-3188		015-91-0188	015-91-5189	18											
20	25.40	1.000	22.86	.900	015-91-2200	015-91-6200	015-91-3207	015-91-0200	015-91-6202	015-91-3206	015-91-3200	015-91-6203	015-91-3208		015-91-0208	015-91-5209	20											
22	27.94	1.100	25.40	1.000	015-91-2220		015-91-3227	015-91-0220		015-91-3226	015-91-3220		015-91-3228		015-91-0228	015-91-5229	22											
24	30.48	1.200	27.94	1.100	015-91-2240		015-91-3247	015-91-0240		015-91-3246	015-91-3240		015-91-3248		015-91-0248	015-91-5249	24											
26	33.02	1.300	30.48	1.200	015-91-2260	015-91-6260	015-91-3267	015-91-0260	015-91-6262	015-91-3266	015-91-3260		015-91-3268		015-91-0268	015-91-5269	26											
28	35.56	1.400	33.02	1.300	015-91-2280		015-91-3287	015-91-0280		015-91-3286	015-91-3280		015-91-3288		015-91-0288	015-91-5289	28											
30	38.10	1.500	35.56	1.400	015-91-2300		015-91-3307	015-91-0300		015-91-3306	015-91-3300		015-91-3308		015-91-0308	015-91-5309	30											
32	40.64	1.600	38.10	1.500	015-91-2320		015-91-3327	015-91-0320		015-91-3326	015-91-3320		015-91-3328		015-91-0328	015-91-5329	32											
34	43.18	1.700	40.64	1.600	015-91-2340		015-91-3347	015-91-0340		015-91-3346	015-91-3340		015-91-3348		015-91-0348	015-91-5349	34											
36	45.72	1.800	43.18	1.700	015-91-2360		015-91-3367	015-91-0360		015-91-3366	015-91-3360		015-91-3368		015-91-0368	015-91-5369	36											
38	48.26	1.900	45.72	1.800	015-91-2380		015-91-3387	015-91-0380		015-91-3386	015-91-3380		015-91-3388		015-91-0388	015-91-5389	38											
40	50.80	2.000	48.26	1.900	015-91-2400	015-91-6400	015-91-3407	015-91-0400	015-91-6402	015-91-3406	015-91-3400	015-91-6403	015-91-3408		015-91-0408	015-91-5409	40											
42	53.34	2.100	50.80	2.000	015-91-2420		015-91-3427	015-91-0420		015-91-3426	015-91-3420		015-91-3428		015-91-0428	015-91-5429	42											
44	55.88	2.200	53.34	2.100	015-91-2440		015-91-3447	015-91-0440		015-91-3446	015-91-3440		015-91-3448		015-91-0448	015-91-5449	44											
46	58.42	2.300	55.88	2.200	015-91-2460		015-91-3467	015-91-0460		015-91-3466	015-91-3460		015-91-3468		015-91-0468	015-91-5469	46											
48	60.96	2.400	58.42	2.300	015-91-2480		015-91-3487	015-91-0480		015-91-3486	015-91-3480		015-91-3488		015-91-0488	015-91-5489	48											
50	63.50	2.500	60.96	2.400	015-91-2500	015-91-6500	015-91-3507	015-91-0500	015-91-6502	015-91-3506	015-91-3500	015-91-6503	015-91-3508		015-91-0508	015-91-5509	50											
52	66.04	2.600	63.50	2.500	015-91-2520		015-91-3527	015-91-0520		015-91-3526	015-91-3520		015-91-3528		015-91-0528	015-91-5529	52											
54	68.58	2.700	66.04	2.600	015-91-2540		015-91-3547	015-91-0540		015-91-3546	015-91-3540		015-91-3548		015-91-0548	015-91-5549	54											
56	71.12	2.800	68.58	2.700	015-91-2560		015-91-3567	015-91-0560		015-91-3566	015-91-3560		015-91-3568		015-91-0568	015-91-5569	56											
58	73.66	2.900	71.12	2.800	015-91-2580		015-91-3587	015-91-0580		015-91-3586	015-91-3580		015-91-3588		015-91-0588	015-91-5589	58											
60	76.20	3.000	73.66	2.900	015-91-2600		015-91-3607	015-91-0600		015-91-3606	015-91-3600		015-91-3608		015-91-0608	015-91-5609	60											
62	78.74	3.100	76.20	3.000	015-91-2620		015-91-3627	015-91-0620		015-91-3626	015-91-3620		015-91-3628		015-91-0628	015-91-5629	62											
64	81.28	3.200	78.74	3.100	015-91-2640		015-91-3647	015-91-0640		015-91-3646	015-91-3640		015-91-3648		015-91-0648	015-91-5649	64											
66	83.82	3.300	81.28	3.200	015-91-2660		015-91-3667	015-91-0660		015-91-3666	015-91-3660		015-91-3668		015-91-0668	015-91-5669	66											
68	86.36	3.400	83.82	3.300	015-91-2680		015-91-3687	015-91-0680		015-91-3686	015-91-3680		015-91-3688		015-91-0688	015-91-5689	68											
70	88.90	3.500	86.36	3.400	015-91-2700		015-91-3707	015-91-0700		015-91-3706	015-91-3700		015-91-3708		015-91-0708	015-91-5709	70											
72	91.44	3.600	88.90	3.500	015-91-2720		015-91-3727	015-91-0720		015-91-3726	015-91-3720		015-91-3728		015-91-0728	015-91-5729	72											
74	93.98	3.700	91.44	3.600	015-91-2740		015-91-3747	015-91-0740		015-91-3746	015-91-3740		015-91-3748		015-91-0748	015-91-5749	74											
76	96.52	3.800	93.98	3.700	015-91-2760		015-91-3767	015-91-0760		015-91-3766	015-91-3760		015-91-3768		015-91-0768	015-91-5769	76											
78	99.06	3.900	96.52	3.800	015-91-2780		015-91-3787	015-91-0780		015-91-3786	015-91-3780		015-91-3788		015-91-0788	015-91-5789	78											
80	101.60	4.000	99.06	3.900	015-91-2800		015-91-3807	015-91-0800		015-91-3806	015-91-3800		015-91-3808		015-91-0808	015-91-5809	80											
82	104.14	4.100	101.60	4.000	71308-0082		71308-0482	71308-0182		71308-0582	71308-0282		71308-0682		71308-1182	71308-1282	82											
84	106.68	4.200	104.14	4.100	71308-0084		71308-0484	71308-0184		71308-0584	71308-0284		71308-0684		71308-1184	71308-1284	84											
86	109.22	4.300	106.68	4.200	71308-0086		71308-0486	71308-0186		71308-0586	71308-0286		71308-0686		71308-1186	71308-1286	86											
88	111.76	4.400	109.22	4.300	71308-0088		71308-0488	71308-0188		71308-0588	71308-0288		71308-0688		71308-1188	71308-1288	88											
90	114.30	4.500	111.76	4.400	71308-0090		71308-0490	71308-0190		71308-0590	71308-0290		71308-0690		71308-1190	71308-1290	90											
92	116.84	4.600	114.30	4.500	71308-0092		71308-0492	71308-0192		71308-0592	71308-0292		71308-0692		71308-1192	71308-1292	92											
94	119.38	4.700	116.84	4.600	71308-0094		71308-0494	71308-0194		71308-0594	71308-0294		71308-0694		71308-1194	71308-1294	94											
96	121.92	4.800	119.38	4.700	71308-0096		71308-0496	71308-0196		71308-0596	71308-0296		71308-0696		71308-1196	71308-1296	96											
98	124.46	4.900	121.92	4.800	71308-0098		71308-0498	71308-0198		71308-0598	71308-0298		71308-0698		71308-1198	71308-1298	98											
100	127.00	5.000	124.46	4.900	71308-0101		71308-0500	71308-0200		71308-0600	71308-0300		71308-0700		71308-1200	71308-1300	100											

13		12		11				10		8		7		6		5		4		3		2		1	
J		IN TAPE AND REEL WITH SHALLOW POCKET TAPE												BULK / IN TUBES						J					
		PACKAGING SEE NOTE 4. SHT 1		4-8 CKT		TAPE-N-REEL W/ VAC CAPS		TAPE-N-REEL W/ VAC CAPS										BULK				BULK			
				10-100 CKT		TAPE-N-REEL W/ VAC CAPS		TAPE-N-REEL W/ VAC CAPS										TUBES				TUBES			
		DIM. M±0.25 MM				6.10 (.240)		6.10 (.240)										8.13 (.320)				13.59 (.535)			
		PLATING				30 GOLD		15 GOLD										150 TIN				150 TIN			
		DIM. H				2.54 (.100)		2.54 (.100)										4.57 (.180)				4.57 (.180)			
I		CKTS		DIM. A		DIM. B		EDP NUMBER		EDP NUMBER								EDP NUMBER		EDP NUMBER		CKTS			
				MM	IN	MM	IN																		
		04	5.08	.200	2.54	.100																	04		
		06	7.62	.300	5.08	.200			015-91-6068														06		
		08	10.16	.400	7.62	.300			015-91-6088														08		
		10	12.70	.500	10.16	.400			015-91-6108										713088010		71308-8210		10		
		12	15.24	.600	12.70	.500																	12		
H		14	17.78	.700	15.24	.600	015-91-6148																14		
		16	20.32	.800	17.78	.700													713088016				16		
		18	22.86	.900	20.32	.800																	18		
		20	25.40	1.000	22.86	.900																	20		
		22	27.94	1.100	25.40	1.000																	22		
		24	30.48	1.200	27.94	1.100																	24		
		26	33.02	1.300	30.48	1.200																	26		
G		28	35.56	1.400	33.02	1.300																	28		
		30	38.10	1.500	35.56	1.400																	30		
		32	40.64	1.600	38.10	1.500																	32		
		34	43.18	1.700	40.64	1.600																	34		
		36	45.72	1.800	43.18	1.700																	36		
		38	48.26	1.900	45.72	1.800																	38		
		40	50.80	2.000	48.26	1.900																	40		
F		42	53.34	2.100	50.80	2.000																	42		
		44	55.88	2.200	53.34	2.100																	44		
		46	58.42	2.300	55.88	2.200																	46		
		48	60.96	2.400	58.42	2.300																	48		
		50	63.50	2.500	60.96	2.400																	50		
		52	66.04	2.600	63.50	2.500																	52		
		54	68.58	2.700	66.04	2.600																	54		
		56	71.12	2.800	68.58	2.700																	56		
E		58	73.66	2.900	71.12	2.800																	58		
		60	76.20	3.000	73.66	2.900																	60		
		62	78.74	3.100	76.20	3.000																	62		
		64	81.28	3.200	78.74	3.100																	64		
		66	83.82	3.300	81.28	3.200																	66		
		68	86.36	3.400	83.82	3.300																	68		
		70	88.90	3.500	86.36	3.400																	70		
D		72	91.44	3.600	88.90	3.500																	72		
		74	93.98	3.700	91.44	3.600																	74		
		76	96.52	3.800	93.98	3.700																	76		
		78	99.06	3.900	96.52	3.800																	78		
		80	101.60	4.000	99.06	3.900																	80		
		82	104.14	4.100	101.60	4.000																	82		
		84	106.68	4.200	104.14	4.100																	84		
C		86	109.22	4.300	106.68	4.200																	86		
		88	111.76	4.400	109.22	4.300																	88		
		90	114.30	4.500	111.76	4.400																	90		
		92	116.84	4.600	114.30	4.500																	92		
		94	119.38	4.700	116.84	4.600																	94		
		96	121.92	4.800	119.38	4.700																	96		
		98	124.46	4.900	121.92	4.800																	98		
		100	127.00	5.000	124.46	4.900																	100		
B		NO PEG VERSION										SEE SHEET 1 EC NO: UCP2014-0809 2013/08/20 DRAWN:KIPPER CHKD:JBELL 2013/08/20 APPR:FSMITH 2013/09/03		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE		DESIGN UNITS INCH		THIRD ANGLE PROJECTION	
																mm		INCH		DRAWN BY KMS		DATE 1999/10/15			
A		12		11		10		9		8		7		6		5		4		3		2		1	

13			12		11		10		9		8		7		6		5		4		3		2		1							
PACKAGING SEE NOTE 4 SHT 1							4-8 CKT		BULK		TAPE-N-REEL W/ VAC CAPS		BULK		TAPE-N-REEL W/ VAC CAPS		BULK		TAPE-N-REEL W/ VAC CAPS		BULK		BULK		BULK							
							10-100 CKT		TUBES		TAPE-N-REEL W/ VAC CAPS		TUBES		TAPE-N-REEL W/ VAC CAPS		TUBES		TAPE-N-REEL W/ VAC CAPS		TUBES		TUBES		TUBES		TUBES					
							DIM. M±0.25 MM						6.10 (.240)				6.10 (.240)				6.10 (.240)				8.13 (.320)		8.13 (.320)		8.13 (.320)			
							PLATING						150 TIN				15 GOLD				30 GOLD				150 TIN		15 GOLD		30 GOLD			
							DIM. H						2.54 (.100)				2.54 (.100)				2.54 (.100)				4.57 (.180)		4.57 (.180)		4.57 (.180)			
CKTS	DIM. A		DIM. B		DIM. C		EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	CKTS						
	MM	IN	MM	IN	MM	IN																										
04	5.08	.200	2.54	.100	----	----	015-91-1041	015-91-6044	015-91-1042	015-91-6045	015-91-1043	015-91-6046	015-91-1044	015-91-0047	015-91-1040											04						
06	7.62	.300	5.08	.200	2.54	.100	015-91-1061	015-91-6064	015-91-1062	015-91-6065	015-91-1063	015-91-6066	015-91-1064	015-91-0067	015-91-1060											06						
08	10.16	.400	7.62	.300	5.08	.200	015-91-1081	015-91-6084	015-91-1082	015-91-6085	015-91-1083	015-91-6086	015-91-1084	015-91-0087	015-91-1080											08						
10	12.70	.500	10.16	.400	7.62	.300	015-91-1101	015-91-6104	015-91-1102	015-91-6105	015-91-1103	015-91-6106	015-91-1104	015-91-0107	015-91-1100											10						
12	15.24	.600	12.70	.500	10.16	.400	015-91-1121		015-91-1122		015-91-1123		015-91-1124	015-91-0127	015-91-1120											12						
14	17.78	.700	15.24	.600	12.70	.500	015-91-1141	015-91-6144	015-91-1142	015-91-6145	015-91-1143	015-91-6146	015-91-1144	015-91-0147	015-91-1140											14						
16	20.32	.800	17.78	.700	15.24	.600	015-91-1161	015-91-6164	015-91-1162	015-91-6165	015-91-1163	015-91-6166	015-91-1164	015-91-0167	015-91-1160											16						
18	22.86	.900	20.32	.800	17.78	.700	015-91-1181		015-91-1182		015-91-1183		015-91-1184	015-91-0187	015-91-1180											18						
20	25.40	1.000	22.86	.900	20.32	.800	015-91-1201		015-91-1202		015-91-1203		015-91-1204	015-91-0207	015-91-1200											20						
22	27.94	1.100	25.40	1.000	22.86	.900	015-91-1221		015-91-1222		015-91-1223		015-91-1224	015-91-0227	015-91-1220											22						
24	30.48	1.200	27.94	1.100	25.40	1.000	015-91-1241	71308-6901	015-91-1242		015-91-1243		015-91-1244	015-91-0247	015-91-1240											24						
26	33.02	1.300	30.48	1.200	27.94	1.100	015-91-1261		015-91-1262		015-91-1263		015-91-1264	015-91-0267	015-91-1260											26						
28	35.56	1.400	33.02	1.300	30.48	1.200	015-91-1281		015-91-1282		015-91-1283		015-91-1284	015-91-0287	015-91-1280											28						
30	38.10	1.500	35.56	1.400	33.02	1.300	015-91-1301		015-91-1302		015-91-1303		015-91-1304	015-91-0307	015-91-1300											30						
32	40.64	1.600	38.10	1.500	35.56	1.400	015-91-1321		015-91-1322		015-91-1323		015-91-1324	015-91-0327	015-91-1320											32						
34	43.18	1.700	40.64	1.600	38.10	1.500	015-91-1341		015-91-1342		015-91-1343		015-91-1344	015-91-0347	015-91-1340											34						
36	45.72	1.800	43.18	1.700	40.64	1.600	015-91-1361		015-91-1362		015-91-1363		015-91-1364	015-91-0367	015-91-1360											36						
38	48.26	1.900	45.72	1.800	43.18	1.700	015-91-1381		015-91-1382		015-91-1383		015-91-1384	015-91-0387	015-91-1380											38						
40	50.80	2.000	48.26	1.900	45.72	1.800	015-91-1401		015-91-1402		015-91-1403		015-91-1404	015-91-0407	015-91-1400											40						
42	53.34	2.100	50.80	2.000	48.26	1.900	015-91-1421		015-91-1422		015-91-1423		015-91-1424	015-91-0427	015-91-1420											42						
44	55.88	2.200	53.34	2.100	50.80	2.000	015-91-1441		015-91-1442		015-91-1443		015-91-1444	015-91-0447	015-91-1440											44						
46	58.42	2.300	55.88	2.200	53.34	2.100	015-91-1461		015-91-1462		015-91-1463		015-91-1464	015-91-0467	015-91-1460											46						
48	60.96	2.400	58.42	2.300	55.88	2.200	015-91-1481		015-91-1482		015-91-1483		015-91-1484	015-91-0487	015-91-1480											48						
50	63.50	2.500	60.96	2.400	58.42	2.300	015-91-1501	015-91-6504	015-91-1502	015-91-6505	015-91-1503	015-91-6506	015-91-1504	015-91-0507	015-91-1500											50						
52	66.04	2.600	63.50	2.500	60.96	2.400	015-91-1521		015-91-1522		015-91-1523	71308-5203	015-91-1524	015-91-0527	015-91-1520											52						
54	68.58	2.700	66.04	2.600	63.50	2.500	015-91-1541		015-91-1542		015-91-1543		015-91-1544	015-91-0547	015-91-1540											54						
56	71.12	2.800	68.58	2.700	66.04	2.600	015-91-1561		015-91-1562		015-91-1563		015-91-1564	015-91-0567	015-91-1560											56						
58	73.66	2.900	71.12	2.800	68.58	2.700	015-91-1581		015-91-1582		015-91-1583		015-91-1584	015-91-0587	015-91-1580											58						
60	76.20	3.000	73.66	2.900	71.12	2.800	015-91-1601		015-91-1602		015-91-1603		015-91-1604	015-91-0607	015-91-1600											60						
62	78.74	3.100	76.20	3.000	73.66	2.900	015-91-1621		015-91-1622		015-91-1623		015-91-1624	015-91-0627	015-91-1620											62						
64	81.28	3.200	78.74	3.100	76.20	3.000	015-91-1641		015-91-1642		015-91-1643		015-91-1644	015-91-0647	015-91-1640											64						
66	83.82	3.300	81.28	3.200	78.74	3.100	015-91-1661		015-91-1662		015-91-1663		015-91-1664	015-91-0667	015-91-1660											66						
68	86.36	3.400	83.82	3.300	81.28	3.200	015-91-1681		015-91-1682		015-91-1683		015-91-1684	015-91-0687	015-91-1680											68						
70	88.90	3.500	86.36	3.400	83.82	3.300	015-91-1701		015-91-1702		015-91-1703		015-91-1704	015-91-0707	015-91-1700											70						
72	91.44	3.600	88.90	3.500	86.36	3.400	015-91-1721		015-91-1722		015-91-1723		015-91-1724	015-91-0727	015-91-1720											72						
74	93.98	3.700	91.44	3.600	88.90	3.500	015-91-1741		015-91-1742		015-91-1743		015-91-1744	015-91-0747	015-91-1740											74						
76	96.52	3.800	93.98	3.700	91.44	3.600	015-91-1761		015-91-1762		015-91-1763		015-91-1764	015-91-0767	015-91-1760											76						
78	99.06	3.900	96.52	3.800	93.98	3.700	015-91-1781		015-91-1782		015-91-1783		015-91-1784	015-91-0787	015-91-1780											78						
80	101.60	4.000	99.06	3.900	96.52	3.800	015-91-1801		015-91-1802		015-91-1803		015-91-1804	015-91-0807	015-91-1800											80						
82	104.14	4.100	101.60	4.000	99.06	3.900	71308-4082		71308-4182		71308-4282		71308-5082	71308-5182	71308-5282											82						
84	106.68	4.200	104.14	4.100	101.60	4.000	71308-4084		71308-4184		71308-4284		71308-5084	71308-5184	71308-5284											84						
86	109.22	4.300	106.68	4.200	104.14	4.100	71308-4086		71308-4186		71308-4286		71308-5086	71308-5186	71308-5286											86						
88	111.76	4.400	109.22	4.300	106.68	4.200	71308-4088		71308-4188		71308-4288		71308-5088	71308-5188	71308-5288																	

13		12		11		10		9		8		7		6		5		4		3		2		1	
J				PACKAGING SEE NOTE 4 SHT 1		4-8 CKT		BULK		TAPE-N-REEL W/ VAC CAPS		BULK		TAPE-N-REEL W/ VAC CAPS											
						10-100 CKT		TUBES		TAPE-N-REEL W/ VAC CAPS		TUBES		TAPE-N-REEL W/ VAC CAPS											
				DIM. M±0.25 MM		6.10 (.240)		6.10 (.240)																	
				PLATING		30 GOLD		150 TIN																	
				DIM. H		2.54 (.100)		2.54 (.100)																	
I		CKTS	DIM. A		DIM. B		DIM. C		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		CKTS
			MM	IN	MM	IN	MM	IN																	
		04	5.08	.200	2.54	.100	----	----	015-91-1048	015-91-6047														04	
		06	7.62	.300	5.08	.200	2.54	.100	015-91-1068	015-91-6067	71308-6106	71308-6206												06	
		08	10.16	.400	7.62	.300	5.08	.200	015-91-1088	015-91-6087	71308-6108	71308-6208												08	
		10	12.70	.500	10.16	.400	7.62	.300	015-91-1108	015-91-6107	71308-6110	71308-6210												10	
		12	15.24	.600	12.70	.500	10.16	.400	015-91-1128															12	
		14	17.78	.700	15.24	.600	12.70	.500	015-91-1148	015-91-6147														14	
		16	20.32	.800	17.78	.700	15.24	.600	015-91-1168	015-91-6167														16	
		18	22.86	.900	20.32	.800	17.78	.700	015-91-1188															18	
		20	25.40	1.000	22.86	.900	20.32	.800	015-91-1208	015-91-6207														20	
		22	27.94	1.100	25.40	1.000	22.86	.900	015-91-1228															22	
		24	30.48	1.200	27.94	1.100	25.40	1.000	015-91-1248															24	
		26	33.02	1.300	30.48	1.200	27.94	1.100	015-91-1268		71308-6126													26	
		28	35.56	1.400	33.02	1.300	30.48	1.200	015-91-1288															28	
		30	38.10	1.500	35.56	1.400	33.02	1.300	015-91-1308															30	
		32	40.64	1.600	38.10	1.500	35.56	1.400	015-91-1328															32	
		34	43.18	1.700	40.64	1.600	38.10	1.500	015-91-1348															34	
		36	45.72	1.800	43.18	1.700	40.64	1.600	015-91-1368															36	
		38	48.26	1.900	45.72	1.800	43.18	1.700	015-91-1388															38	
		40	50.80	2.000	48.26	1.900	45.72	1.800	015-91-1408	015-91-6407														40	
		42	53.34	2.100	50.80	2.000	48.26	1.900	015-91-1428															42	
		44	55.88	2.200	53.34	2.100	50.80	2.000	015-91-1448															44	
		46	58.42	2.300	55.88	2.200	53.34	2.100	015-91-1468															46	
		48	60.96	2.400	58.42	2.300	55.88	2.200	015-91-1488															48	
		50	63.50	2.500	60.96	2.400	58.42	2.300	015-91-1508	015-91-6507														50	
		52	66.04	2.600	63.50	2.500	60.96	2.400	015-91-1528															52	
		54	68.58	2.700	66.04	2.600	63.50	2.500	015-91-1548															54	
		56	71.12	2.800	68.58	2.700	66.04	2.600	015-91-1568															56	
		58	73.66	2.900	71.12	2.800	68.58	2.700	015-91-1588															58	
		60	76.20	3.000	73.66	2.900	71.12	2.800	015-91-1608															60	
		62	78.74	3.100	76.20	3.000	73.66	2.900	015-91-1628															62	
		64	81.28	3.200	78.74	3.100	76.20	3.000	015-91-1648															64	
		66	83.82	3.300	81.28	3.200	78.74	3.100	015-91-1668															66	
		68	86.36	3.400	83.82	3.300	81.28	3.200	015-91-1688															68	
		70	88.90	3.500	86.36	3.400	83.82	3.300	015-91-1708															70	
		72	91.44	3.600	88.90	3.500	86.36	3.400	015-91-1728															72	
		74	93.98	3.700	91.44	3.600	88.90	3.500	015-91-1748															74	
		76	96.52	3.800	93.98	3.700	91.44	3.600	015-91-1768															76	
		78	99.06	3.900	96.52	3.800	93.98	3.700	015-91-1788															78	
		80	101.60	4.000	99.06	3.900	96.52	3.800	015-91-1808															80	
		82	104.14	4.100	101.60	4.000	99.06	3.900	71308-6082															82	
		84	106.68	4.200	104.14	4.100	101.60	4.000	71308-6084															84	
		86	109.22	4.300	106.68	4.200	104.14	4.100	71308-6086															86	
		88	111.76	4.400	109.22	4.300	106.68	4.200	71308-6088															88	
		90	114.30	4.500	111.76	4.400	109.22	4.300	71308-6090															90	
		92	116.84	4.600	114.30	4.500	111.76	4.400	71308-6092															92	
		94	119.38	4.700	116.84	4.600	114.30	4.500	71308-6094															94	
		96	121.92	4.800	119.38	4.700	116.84	4.600	71308-6096															96	
		98	124.46	4.900	121.92	4.800	119.38	4.700	71308-6098															98	
		100	127.00	5.000	124.46	4.900	121.92	4.800	71308-6100															100	
B				SHORT PEG VERSION (.055")		SEE SHEET 1 EC NO: UCP2014-0809 DRAWN:MK1PPER 2013/08/20 CHKD:JBELL 2013/08/20 APPR:FSMITH 2013/09/03		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE		DESIGN UNITS INCH		THIRD ANGLE PROJECTION							
A						K5		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
12		11		10		9		8		7		6		5		4		3		2		1			

		13		12		11		10		9		8		7		6		5		4		3		2		1							
J		PACKAGING SEE NOTE 4, SHT 1		4-6 CKT		BULK		TAPE-N-REEL W/VAC CAPS		N/A		4-8 CKT		TAPE-N-REEL W/VAC CAPS		BULK		BULK		LONG PEG VERSION (.130")		SHORT PEG VERSION (.055")		BULK		TAPE-N-REEL W/ VAC CAPS							
						TUBES		TAPE-N-REEL W/VAC CAPS		TUBES W/ VAC CAPS				10-100 CKT		TAPE-N-REEL W/VAC CAPS		TUBES		TUBES		TUBES				TUBES				BULK		TAPE-N-REEL W/ VAC CAPS	
				8-100 CKT																													
				DIM. M±0.25 MM				6.10 (.240)								8.13(.320)		13.59(.535)		6.10(.240)		8.13(.320)		6.10 (.240)									
				PLATING				59 TIN								59 TIN		59 TIN		59 TIN		59 TIN		59 TIN									
DIM. H				2.54(.100)										4.57(.180)		4.57(.180)		2.54(.100)		4.57(.180)		2.54(.100)											
I		CKTS		DIM. A		DIM. B		DIM. C		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		CKTS			
				MM IN		MM IN		MM IN																									
H		04		5.08 .200		2.54 .100		---		---		71308-5404		71308-5504		N/A				71308-6404		71308-6504		71308-6604				71308-6706		71308-6806		04	
		06		7.62 .300		5.08 .200		2.54 .100		71308-5406		71308-5506		N/A						71308-6406		71308-6506		71308-6606		71308-6706		71308-6806		06			
		08		10.16 .400		7.62 .300		5.08 .200		71308-5408		71308-5508		71308-5608						71308-6408		71308-6508		71308-6608		71308-6708		71308-6808		08			
		10		12.70 .500		10.16 .400		7.62 .300		71308-5410		71308-5510		71308-5610				71308-5810		71308-5910		71308-6410		71308-6510		71308-6610		71308-6810		10			
		12		15.24 .600		12.70 .500		10.16 .400		71308-5412		71308-5512		71308-5612								71308-6412				71308-6612						12	
		14		17.78 .700		15.24 .600		12.70 .500		71308-5414		71308-5514		71308-5614								71308-6414		71308-6514		71308-6614						14	
		16		20.32 .800		17.78 .700		15.24 .600		71308-5416		71308-5516		71308-5616				71308-5816				71308-6416		71308-6516		71308-6616						16	
		18		22.86 .900		20.32 .800		17.78 .700		71308-5418				71308-5618								71308-6418				71308-6618						18	
		20		25.40 1.000		22.86 .900		20.32 .800		71308-5420		71308-5520		71308-5620								71308-6420				71308-6620						20	
		22		27.94 1.100		25.40 1.000		22.86 .900		71308-5422				71308-5622								71308-6422				71308-6622						22	
G		24		30.48 1.200		27.94 1.100		25.40 1.000		71308-5424				71308-5624		71308-5724		71308-5824		71308-6424				71308-6624								24	
		26		33.02 1.300		30.48 1.200		27.94 1.100		71308-5426				71308-5626								71308-6426				71308-6626		71308-6726				26	
		28		35.56 1.400		33.02 1.300		30.48 1.200		71308-5428				71308-5628								71308-6428				71308-6628						28	
		30		38.10 1.500		35.56 1.400		33.02 1.300		71308-5430				71308-5630								71308-6430				71308-6630						30	
		32		40.64 1.600		38.10 1.500		35.56 1.400		71308-5432				71308-5632								71308-6432				71308-6632						32	
		34		43.18 1.700		40.64 1.600		38.10 1.500		71308-5434				71308-5634								71308-6434				71308-6634						34	
		36		45.72 1.800		43.18 1.700		40.64 1.600		71308-5436				71308-5636								71308-6436				71308-6636						36	
		38		48.26 1.900		45.72 1.800		43.18 1.700		71308-5438				71308-5638								71308-6438				71308-6638						38	
		40		50.80 2.000		48.26 1.900		45.72 1.800		71308-5440		71308-5540		71308-5640								71308-6440				71308-6640						40	
		42		53.34 2.100		50.80 2.000		48.26 1.900		71308-5442				71308-5642								71308-6442				71308-6642						42	
F		44		55.88 2.200		53.34 2.100		50.80 2.000		71308-5444				71308-5644						71308-6444				71308-6644								44	
		46		58.42 2.300		55.88 2.200		53.34 2.100		71308-5446				71308-5646								71308-6446				71308-6646						46	
		48		60.96 2.400		58.42 2.300		55.88 2.200		71308-5448				71308-5648								71308-6448				71308-6648						48	
		50		63.50 2.500		60.96 2.400		58.42 2.300		71308-5450		71308-5550		71308-5650								71308-6450		71308-6550		71308-6650						50	
		52		66.04 2.600		63.50 2.500		60.96 2.400		71308-5452				71308-5652								71308-6452				71308-6652						52	
		54		68.58 2.700		66.04 2.600		63.50 2.500		71308-5454				71308-5654								71308-6454				71308-6654						54	
		56		71.12 2.800		68.58 2.700		66.04 2.600		71308-5456				71308-5656								71308-6456				71308-6656						56	
		58		73.66 2.900		71.12 2.800		68.58 2.700		71308-5458				71308-5658								71308-6458				71308-6658						58	
		60		76.20 3.000		73.66 2.900		71.12 2.800		71308-5460				71308-5660								71308-6460				71308-6660						60	
		62		78.74 3.100		76.20 3.000		73.66 2.900		71308-5462				71308-5662								71308-6462				71308-6662						62	
D		64		81.28 3.200		78.74 3.100		76.20 3.000		71308-5464				71308-5664						71308-6464				71308-6664								64	
		66		83.82 3.300		81.28 3.200		78.74 3.100		71308-5466				71308-5666								71308-6466				71308-6666						66	
		68		86.36 3.400		83.82 3.300		81.28 3.200		71308-5468				71308-5668								71308-6468				71308-6668						68	
		70		88.90 3.500		86.36 3.400		83.82 3.300		71308-5470				71308-5670								71308-6470				71308-6670						70	
		72		91.44 3.600		88.90 3.500		86.36 3.400		71308-5472				71308-5672								71308-6472				71308-6672						72	
		74		93.98 3.700		91.44 3.600		88.90 3.500		71308-5474				71308-5674								71308-6474				71308-6674						74	
		76		96.52 3.800		93.98 3.700		91.44 3.600		71308-5476				71308-5676								71308-6476				71308-6676						76	
		78		99.06 3.900		96.52 3.800		93.98 3.700		71308-5478				71308-5678								71308-6478				71308-6678						78	
		80		101.60 4.000		99.06 3.900		96.52 3.800		71308-5480				71308-5680								71308-6480				71308-6680						80	
		82		104.14 4.100		101.60 4.000		99.06 3.900		71308-5482				71308-5682								71308-6482				71308-6682						82	
C		84		106.68 4.200		104.14 4.100		101.60 4.000		71308-5484				71308-5684						71308-6484				71308-6684						84			
		86		109.22 4.300		106.68 4.200		104.14 4.100		71308-5486				71308-5686								71308-6486				71308-6686						86	
		88		111.76 4.400		109.22 4.300		106.68 4.200		71308-5488				71308-5688								71308-6488				71308-6688						88	
		90		114.30 4.500		111.76 4.400		109.22 4.300		71308-5490				71308-5690								71308-6490				71308-6690						90	
		92		116.84 4.600		114.30 4.500		111.76 4.400		71308-5492				71308-5692								71308-6492				71308-6692						92	
		94		119.38 4.700		116.84 4.600		114.30 4.500		71308-5494				71308-5694								71308-6494				71308-6694						94	
		96		121.92 4.800		119.38 4.700		116.84 4.600		71308-5496				71308-5696								71308-6496				71308-6696						96	
		98		124.46 4.900		121.92 4.800		119.38 4.700		71308-5498				71308-5698								71308-6498				71308-6698						98	
		100		127.00 5.000		124.46 4.900		121.92 4.800		71308-5500				71308-5700								71308-6500				71308-6700						100	
		B		59 TIN PLATE ASSEMBLIES		SEE SHEET 1 EC NO: UCP2014-0809 DRWN:MKIPPER 2013/08/20 CHKD:JBELL 2013/08/20 APPR:FSMITH 2013/09/03		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0		DESCRIPTION		REV		K5		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION									
mm INCH																DRAWN BY DATE		TITLE															
4 PLACES ± --- ± ---																KMS 1999/10/15		SALES ASSY INSULATOR															
3 PLACES ± --- ± .005																CHECKED BY DATE		DUAL ROW SMT W/BREAK-OFF															
2 PLACES ± 0.13 ± .010																KMS 1999/10/15		.025SQ PIN GULLWING .100															
A		59 TIN PLATE ASSEMBLIES		SEE SHEET 1 EC NO: UCP2014-0809 DRWN:MKIPPER 2013/08/20 CHKD:JBELL 2013/08/20 APPR:FSMITH 2013/09/03		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0		DESCRIPTION		REV		K5		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.													
														DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																			