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Part Number: [0015913760](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Surface Mount, Dual Row, Vertical, 76 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, without PCB Locator Pegs

Documents:

3D Model	Product Specification PS-71308 (PDF)
Packaging Specification (PDF)	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	71308
Application	Board-to-Board, Wire-to-Board
Product Name	C-Grid®

Physical

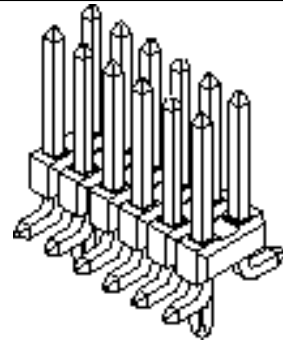
Breakaway	Yes
Circuits (Loaded)	76
Circuits (maximum)	76
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tube
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.875
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
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*Series
image - Reference only*

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

China RoHS



Search Parts in this Series

[71308Series](#)

Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

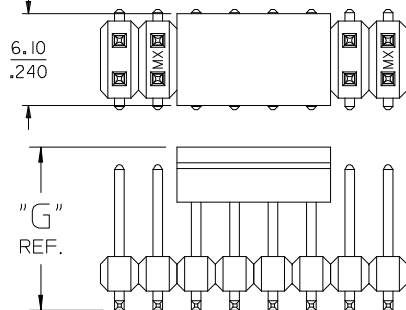
Reference - Drawing Numbers

Product Specification	PS-71308, RPS-71308-001
Sales Drawing	SD-71308-001

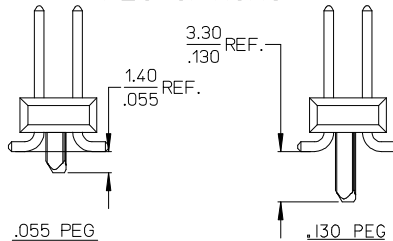
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OPTIONAL PICK AND PLACE CAP SEE NOTES 4 & 9.



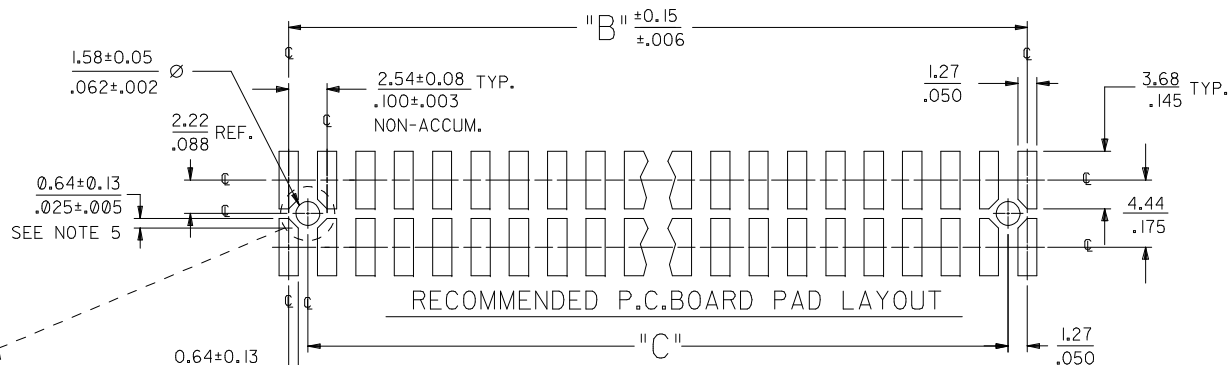
PEG OPTIONS



NOTES:

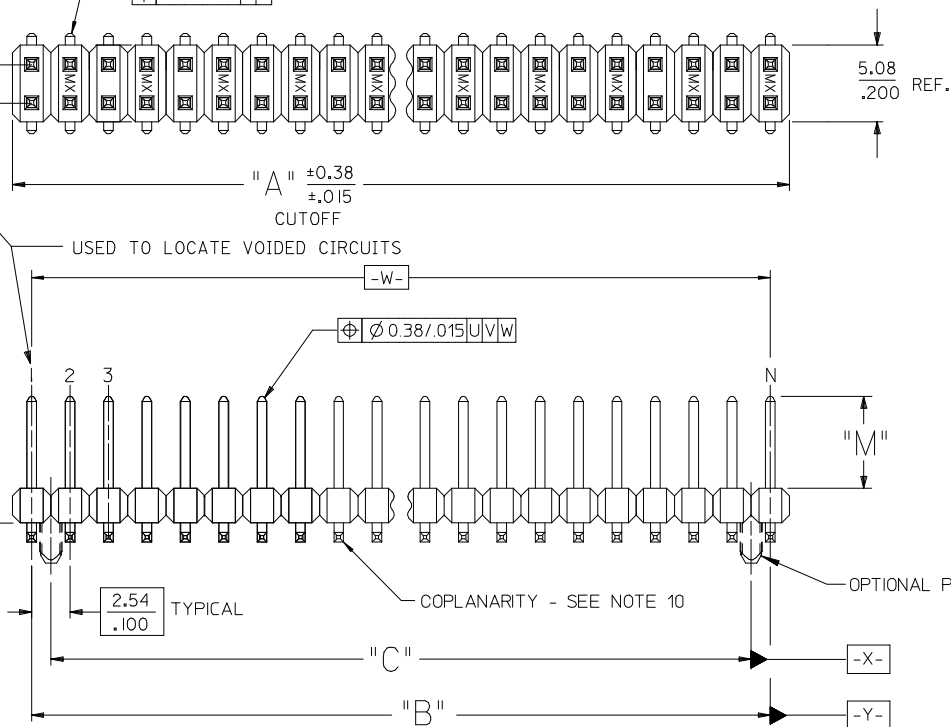
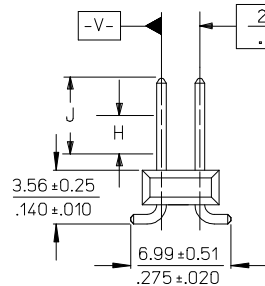
- MATERIALS: INSULATOR: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL94 V-0, COLOR: BLACK
TERMINAL: COPPER ALLOY
- FINISH:
59 TIN - 0.00150/.000059 MINIMUM BRIGHT TIN OVER NICKEL OVERALL.
150 TIN - 0.00381/.000150 MINIMUM BRIGHT TIN OVER NICKEL OVERALL.
15 GOLD - 0.00038/.000015 MINIMUM GOLD IN SELECT AREA OVER 0.00191/.000075 MINIMUM TIN IN SELECT AREA OVER NICKEL OVERALL.
30 GOLD - 0.00076/.000030 MINIMUM GOLD IN SELECT AREA OVER 0.00191/.000075 MINIMUM TIN IN SELECT AREA OVER NICKEL OVERALL.
50 GOLD - 0.00127/.000050 MINIMUM GOLD IN SELECT AREA OVER 0.00254/.000100 MINIMUM TIN IN SELECT AREA OVER NICKEL 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.
- PART TO CONFORM TO PS-71308.
- 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.
- TYP. DIMENSIONS FOR LANDS SURROUNDING HOLES FOR RETENTION PEGS.
- PIN SOLERABILITY PER MOLEX SPEC. ES-152.
- SEE SHEETS 2-5 FOR CHARTED DIMS., PART/EDP NO'S, AND VOIDED CIRCUITS.
- PIN PUSHOUT FORCE: 3 LBS. MINIMUM.
- PICK-N-PLACE CAPS WILL BE PLACED SO THAT VACUUM PICK UP AREA WILL BE IN CENTER OF PART.
- COPLANARITY FOR CIRCUIT SIZES UP TO 40 IS 0.15 MM/.006 INCH. FOR CIRCUIT SIZES 42 AND LARGER, CONTACT MOLEX SALES DEPARTMENT.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

DIM. "M"	DIM. "G"
6.10 .240	10.67 .420
8.13 .320	12.70 .500



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

ROW "A"
ROW "B"



12CKT TAPE & REEL
EC NO: UCP2009-2465
DRWN:KIPPER 2009/08/04
CHKD:SSOUSEK 2009/08/07
APPR:FSMITH 2009/08/10
REV

QUALITY
SYMBOLS
=0
=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±.005
2 PLACES	±0.13	±.010
1 PLACE	±0.25	±---
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

SCALE
DESIGN UNITS
INCH

THIRD ANGLE
PROJECTION

TITLE
SALES ASSY INSULATOR
DUAL ROW SMT W/BREAK-OFF
.025SQ PIN GULLWING .100

MOLEX INCORPORATED

DOCUMENT NO.
SD-71308-001

SHEET NO.
1 OF 6

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND 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)				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)				4.57 (.180)				4.57 (.180)			
		DIM. J		5.08 (.200)				5.08 (.200)				5.08 (.200)				7.11 (.280)				7.11 (.280)					
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	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		71308-1300	100									

13		12		11				10		9		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)																																																																																																																																																																																																																																																																																																									
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		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																																																																																																																																																																																																																																																																																																						
		72	91.44	3.600	88.90	3.500																	72																																																																																																																																																																																																																																																																																																						
D		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																																																																																																																																																																																																																																																																																																						
		86	109.22	4.300	106.68	4.200																	86																																																																																																																																																																																																																																																																																																						
		88	111.76	4.400	109.22	4.300																	88																																																																																																																																																																																																																																																																																																						
C		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 (ALSO SEE SHEET 2)										SEE SHEET 1 EC NO: UCP2009-2465 DRWN:KIPPER 2009/08/04 CHKD:SSOUSEK 2009/08/07 APPR:FSMITH 2009/08/10		QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE		DESIGN UNITS INCH		THIRD ANGLE PROJECTION																																																																																																																																																																																																																																																																																																					
A																																																																																																																																																																																																																																																																																																																													

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			
			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)					
DIM. J				5.08 (.200)				5.08 (.200)				5.08 (.200)				7.11 (.280)		7.11 (.280)		7.11 (.280)								
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	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					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					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					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					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					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					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					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					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					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					015-91-1220				22				
24	30.48	1.200	27.94	1.100	25.40	1.000	015-91-1241		015-91-1242		015-91-1243		015-91-1244	015-91-0247	015-91-1240					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					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					71308-5288				88				
90	114.30																											

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)																	
DIM. J		5.08 (.200)		5.08 (.200)																						
I	CKTS	DIM. A		DIM. B		DIM. C		EDP		EDP		EDP		EDP		EDP		EDP		EDP		EDP		CKTS		
		MM	IN	MM	IN	MM	IN	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER					
H	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		
G	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			
F	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			
E	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			
D	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")																								
A	SEE SHEET 1 EC NO: UCP2009-2465 DRAWN:KIPPER 2009/08/04 CHKD:SSOUSEK 2009/08/07 APPR:FSMITH 2009/08/10																									
QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .010 1 PLACE ± 0.25 ± --- ANGULAR ±1/2°		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. DOCUMENT NO.		SCALE DESIGN UNITS INCH THIRD ANGLE PROJECTION SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 MOLEX INCORPORATED SD-71308-001		SHEET NO. 5 OF 6																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		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				

[illegible]