

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0015910120](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Surface Mount, Dual Row, Vertical, 12 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating

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

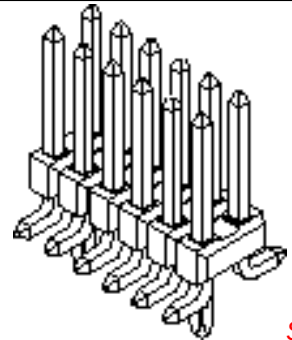
Breakaway	Yes
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature 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)	15.2
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	80
Plating min: Termination (µm)	2
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

Lead-free Process Capability	Reflow Capable (SMT only)
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Series
image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
**Halogen-Free
Status**

China RoHS



**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.

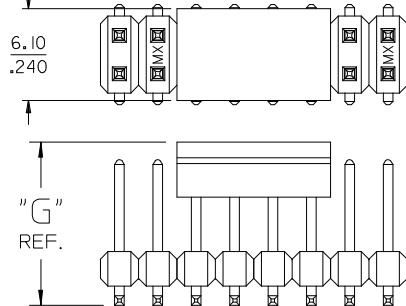
Search Parts in this Series
[71308Series](#)

Process Temperature max. C	260
Material Info	
Old Part Number	71308-0112N
Reference - Drawing Numbers	
Product Specification	PS-71308, RPS-71308-001
Sales Drawing	SD-71308-001

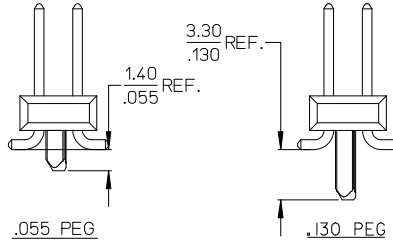
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OPTIONAL PICK AND PLACE CAP SEE NOTES 4 & 9.



PEG OPTIONS

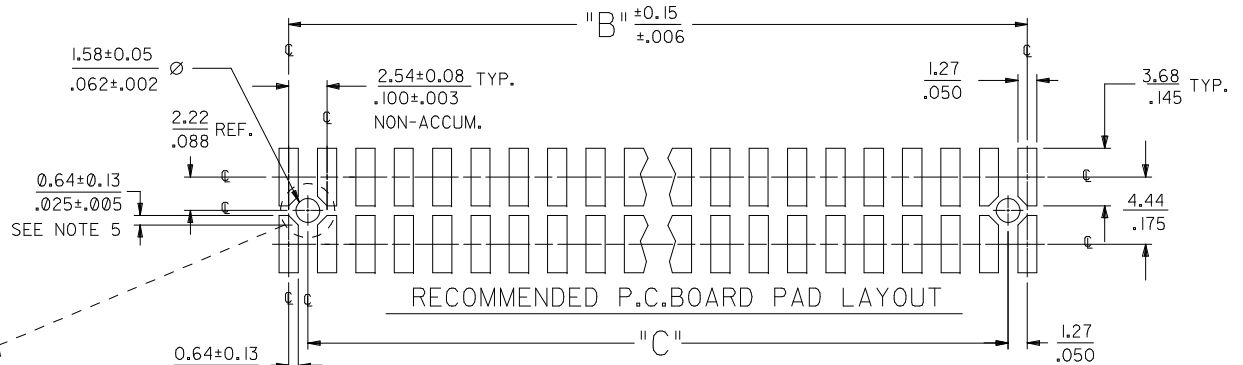


NOTES:

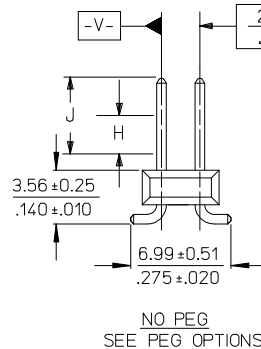
- MATERIALS: INSULATOR: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL94 V-0, COLOR: BLACK
TERMINAL: COPPER ALLOY
- FINISH:
59 TIN - 0.00150/.000059 MINIMUM BRIGHT TIN OVER NICKEL OVERALL.
150 TIN - 0.00381/.000150 MINIMUM BRIGHT TIN OVER NICKEL OVERALL.
15 GOLD - 0.00038/.000015 MINIMUM GOLD IN SELECT 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

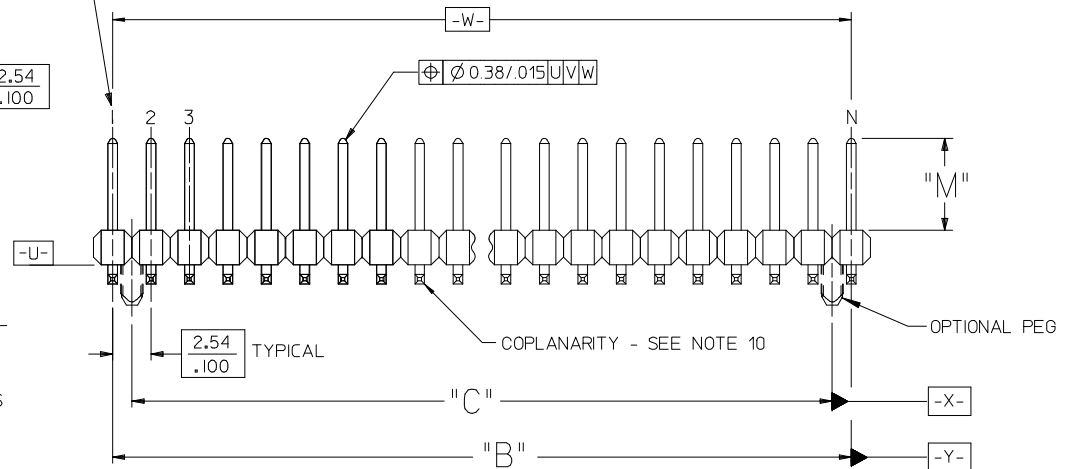
P.C. BOARD PAD LAYOUT
AT ENDS FOR NO PEG VERSION.



ROW "A"
ROW "B"



USED TO LOCATE VOIDED CIRCUITS



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-										

13		12		11				10		9		8		7		6		5		4		3		2		1	
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)							
				DIM. J		5.08 (.200)		5.08 (.200)										7.11 (.280)		7.11 (.280)							
I		CKTS	DIM. A		DIM. B		EDP		EDP										EDP		EDP		CKTS				
			MM	IN	MM	IN	NUMBER	NUMBER							NUMBER	NUMBER											
		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				
		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:MKIPPER 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 INCH		DESIGN UNITS INCH		THIRD ANGLE PROJECTION		SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 MOLEX INCORPORATED	
																4 PLACES ± --- ± ---		DRAWN BY DATE KMS 1999/10/15		TITLE							

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									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		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									88			
90	114.30	4.500	111.76	4.400	109.22	4.300	71308-4090		71308-4190		71308-4290		71308-5090	71308-5190	71308-5290									90			
92	116.84	4.600	114.30	4.500	111.76	4.400	71308-4092		71308-4192		71308-4292		71308-5092	71308-5192													

	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 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
G	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
F	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
E	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
D	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
C	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: UCP2009-2465 DRAWN BY: JPPER 2009/08/04 CHKD BY: SJOSEK 2009/08/07 APPR BY: 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°															
	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. DOCUMENT NO.															
	SCALE DESIGN UNITS INCH THIRD ANGLE PROJECTION TITLE SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 MOLEX MOLEX INCORPORATED SD-71308-001 5 OF 6															
A	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	PEG OPTION NO PEG VERSION NO PEG VERSION LONG PEG VERSION (.130") SHORT PEG VERSION (.055")													J		
I	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 BULK TAPE-N-REEL W/VAC CAPS BULK BULK TAPE-N-REEL W/ VAC CAPS															
H	8-100 CKT TUBES TAPE-N-REEL W/VAC CAPS TUBES W/ VAC CAPS 10-100 CKT TAPE-N-REEL W/VAC CAPS TUBES TUBES TUBES TAPE-N-REEL W/VAC CAPS TUBES BULK TAPE-N-REEL W/ VAC CAPS															
G	DIM. M±0.25 MM 6.10 (.240) 8.13(.320) 13.59(.535) 6.10(.240) 8.13(.320) 6.10 (.240)															
F	PLATING 59 TIN 59 TIN 59 TIN 59 TIN 59 TIN															
E	DIM. H 2.54(.100) 4.57(.180) 4.57(.180) 2.54(.100) 2.54(.100)															
D	DIM. J 5.08(.200) 7.11(.280) 7.11(.280) 5.08(.200) 7.11(.280) 5.08(.200)															
C	CKTS	DIM. A		DIM. B		DIM. C		EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	CKTS
B		MM	IN	MM	IN	MM	IN									
A	04	5.08	.200	2.54	.100	---	---	71308-5404	71308-5504	N/A			71308-6404	71308-6504	71308-6604	04
	06	7.62	.300	5.08	.200	2.54	.100	71308-5406	71308-5506	N/A			71308-6406	71308-6506	71308-6606	06
	08	10.16	.400	7.62	.300	5.08	.200	71308-5408	71308-5508	71308-5608			71308-6408	71308-6508	71308-6608	08
	10	12.70	.500	10.16	.400	7.62	.300	71308-5410	71308-5510	71308-5610		71308-5810	71308-6410	71308-6510	71308-6610	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
	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	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
	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
	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
	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: UCP2009-2465 DRWN:MKJ CHKD:SSJ APPR:FSM TH REV QUALITY SYMBOLS GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE SCALE DESIGN UNITS THIRD ANGLE PROJECTION TITLE SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 MOLEX MOLEX INCORPORATED MATERIAL NO. DOCUMENT NO. SD-71308-001 SHEET NO. 6 OF 6 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													B		
A	59 TIN PLATE ASSEMBLIES SEE SHEET 1 EC NO: UCP2009-2465 DRWN:MKJ CHKD:SSJ APPR:FSM TH REV QUALITY SYMBOLS GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE SCALE DESIGN UNITS THIRD ANGLE PROJECTION TITLE SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 MOLEX MOLEX INCORPORATED MATERIAL NO. DOCUMENT NO. SD-71308-001 SHEET NO. 6 OF 6 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													A		
	13	12	11	10	9	8	7	6	5	4	3	2	1			