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Part Number: [0015913520](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Surface Mount, Dual Row, Vertical, 52 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)	52
Circuits (maximum)	52
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

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](#)

Lead-free Process Capability
Max. Cycles at Max. Process Temperature
Process Temperature max. C

Reflow Capable (SMT only)
3
260

Material Info

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-71308, RPS-71308-001
SD-71308-001

This document was generated on 03/30/2010

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OPTIONAL
PICK AND PLACE CAP
SEE NOTES 4 & 9.

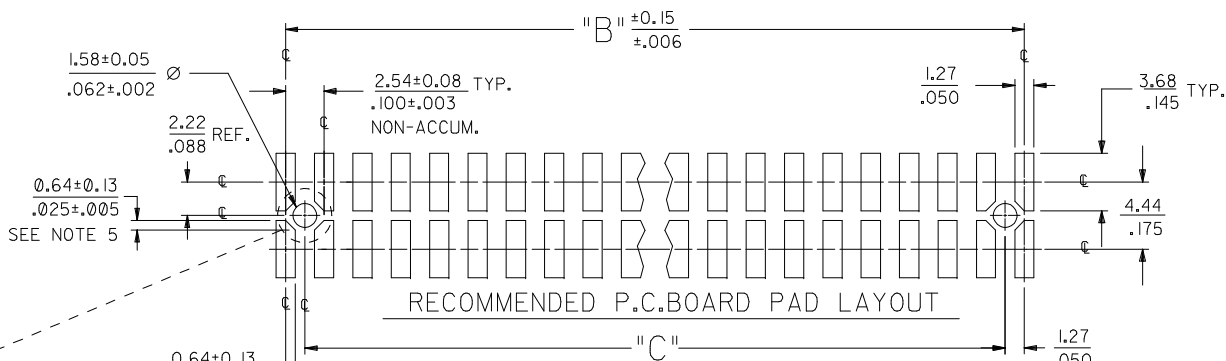


DIM. "M"	DIM. "G"
6.10 .240	10.67 .420
8.13 .320	12.70 .500

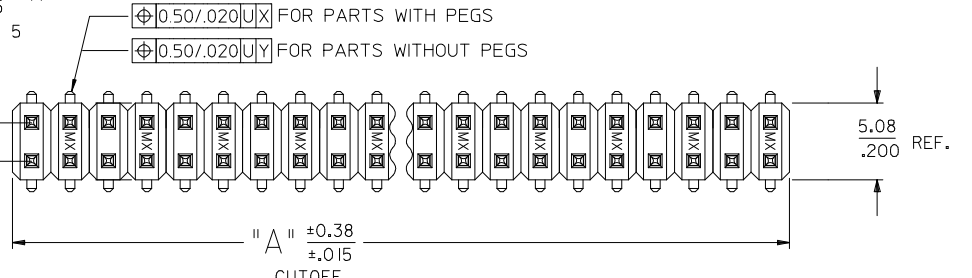
PEG OPTIONS



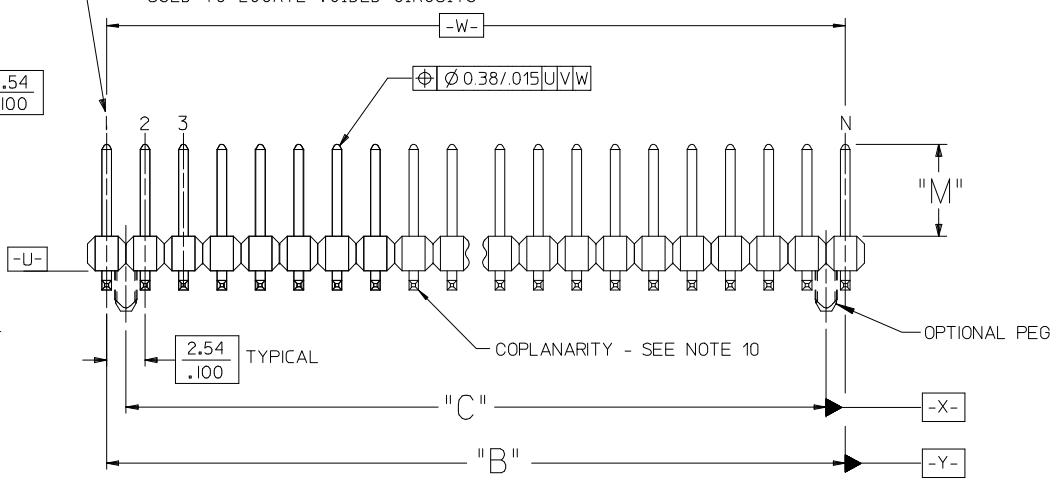
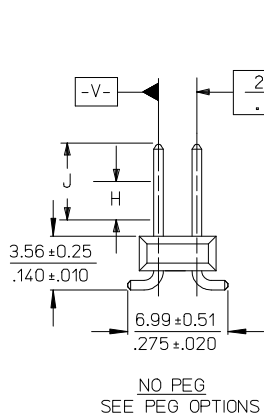
P.C. BOARD PAD LAYOUT
AT ENDS FOR NO PEG VERSION.



ROW "A"
ROW "B"



- NOTES:
- MATERIALS: INSULATOR: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL94 V-0, COLOR: BLACK
TERMINAL: COPPER ALLOY
 - 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.
* 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/0.006 INCH. FOR CIRCUIT SIZES 42 AND LARGER, CONTACT MOLEX SALES DEPARTMENT.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			mm	INCH	MM/IN	DATE			
K3	12CKT TAPE & REEL EC NO: UCP2009-2465 DRWN:KIPPER 2009/08/04 CHKD:SSOUSEK 2009/08/07 APPR:FSMITH 2009/08/10	=0 =0	4 PLACES	± ---	± ---	KMS	1999/10/15	INCH	SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 MOLEX MOLEX INCORPORATED
			3 PLACES	± ---	± .005	CHECKED BY	DATE		
			2 PLACES	± 0.13	± .010	KMS	1999/10/15		
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE		
			ANGULAR ± 1/2°						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLES			DOCUMENT NO.	SHEET NO.
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SD-71308-001	1 OF 6

		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		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)									
I		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		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	015-91-3086	015-91-3086	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	015-91-3106	015-91-3106	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	015-91-3126	015-91-3126	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	015-91-3146	015-91-3146	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	015-91-3166	015-91-3166	015-91-6163	015-91-3168	015-91-0168	015-91-5169	16											
18		22.86	.900	20.32	.800	015-91-2180	015-91-6180	015-91-3187	015-91-0180	015-91-3186	015-91-3186	015-91-3186	015-91-3186	015-91-3188	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	015-91-3206	015-91-3206	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	015-91-6220	015-91-3227	015-91-0220	015-91-3226	015-91-3226	015-91-3226	015-91-3226	015-91-6228	015-91-3228	015-91-0228	015-91-5229	22											
24		30.48	1.200	27.94	1.100	015-91-2240	015-91-6240	015-91-3247	015-91-0240	015-91-3246	015-91-3246	015-91-3246	015-91-3246	015-91-6248	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	015-91-3266	015-91-3266	015-91-6268	015-91-3268	015-91-0268	015-91-5269	26											
28		35.56	1.400	33.02	1.300	015-91-2280	015-91-6280	015-91-3287	015-91-0280	015-91-3286	015-91-3286	015-91-3286	015-91-3286	015-91-6288	015-91-3288	015-91-0288	015-91-5289	28											
30		38.10	1.500	35.56	1.400	015-91-2300	015-91-6300	015-91-3307	015-91-0300	015-91-3306	015-91-3306	015-91-3306	015-91-3306	015-91-6308	015-91-3308	015-91-0308	015-91-5309	30											
32		40.64	1.600	38.10	1.500	015-91-2320	015-91-6320	015-91-3327	015-91-0320	015-91-3326	015-91-3326	015-91-3326	015-91-3326	015-91-6328	015-91-3328	015-91-0328	015-91-5329	32											
34		43.18	1.700	40.64	1.600	015-91-2340	015-91-6340	015-91-3347	015-91-0340	015-91-3346	015-91-3346	015-91-3346	015-91-3346	015-91-6348	015-91-3348	015-91-0348	015-91-5349	34											
36		45.72	1.800	43.18	1.700	015-91-2360	015-91-6360	015-91-3367	015-91-0360	015-91-3366	015-91-3366	015-91-3366	015-91-3366	015-91-6368	015-91-3368	015-91-0368	015-91-5369	36											
38		48.26	1.900	45.72	1.800	015-91-2380	015-91-6380	015-91-3387	015-91-0380	015-91-3386	015-91-3386	015-91-3386	015-91-3386	015-91-6388	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	015-91-3406	015-91-3406	015-91-6408	015-91-3408	015-91-0408	015-91-5409	40											
42		53.34	2.100	50.80	2.000	015-91-2420	015-91-6420	015-91-3427	015-91-0420	015-91-3426	015-91-3426	015-91-3426	015-91-3426	015-91-6428	015-91-3428	015-91-0428	015-91-5429	42											
44		55.88	2.200	53.34	2.100	015-91-2440	015-91-6440	015-91-3447	015-91-0440	015-91-3446	015-91-3446	015-91-3446	015-91-3446	015-91-6448	015-91-3448	015-91-0448	015-91-5449	44											
46		58.42	2.300	55.88	2.200	015-91-2460	015-91-6460	015-91-3467	015-91-0460	015-91-3466	015-91-3466	015-91-3466	015-91-3466	015-91-6468	015-91-3468	015-91-0468	015-91-5469	46											
48		60.96	2.400	58.42	2.300	015-91-2480	015-91-6480	015-91-3487	015-91-0480	015-91-3486	015-91-3486	015-91-3486	015-91-3486	015-91-6488	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	015-91-3506	015-91-3506	015-91-6508	015-91-3508	015-91-0508	015-91-5509	50											
52		66.04	2.600	63.50	2.500	015-91-2520	015-91-6520	015-91-3527	015-91-0520	015-91-3526	015-91-3526	015-91-3526	015-91-3526	015-91-6528	015-91-3528	015-91-0528	015-91-5529	52											
54		68.58	2.700	66.04	2.600	015-91-2540	015-91-6540	015-91-3547	015-91-0540	015-91-3546	015-91-3546	015-91-3546	015-91-3546	015-91-6548	015-91-3548	015-91-0548	015-91-5549	54											
56		71.12	2.800	68.58	2.700	015-91-2560	015-91-6560	015-91-3567	015-91-0560	015-91-3566	015-91-3566	015-91-3566	015-91-3566	015-91-6568	015-91-3568	015-91-0568	015-91-5569	56											
58		73.66	2.900	71.12	2.800	015-91-2580	015-91-6580	015-91-3587	015-91-0580	015-91-3586	015-91-3586	015-91-3586	015-91-3586	015-91-6588	015-91-3588	015-91-0588	015-91-5589	58											
60		76.20	3.000	73.66	2.900	015-91-2600	015-91-6600	015-91-3607	015-91-0600	015-91-3606	015-91-3606	015-91-3606	015-91-3606	015-91-6608	015-91-3608	015-91-0608	015-91-5609	60											
62		78.74	3.100	76.20	3.000	015-91-2620	015-91-6620	015-91-3627	015-91-0620	015-91-3626	015-91-3626	015-91-3626	015-91-3626	015-91-6628	015-91-3628	015-91-0628	015-91-5629	62											
64		81.28	3.200	78.74	3.100	015-91-2640	015-91-6640	015-91-3647	015-91-0640	015-91-3646	015-91-3646	015-91-3646	015-91-3646	015-91-6648	015-91-3648	015-91-0648	015-91-5649	64											
66		83.82	3.300	81.28	3.200	015-91-2660	015-91-6660	015-91-3667	015-91-0660	015-91-3666	015-91-3666	015-91-3666	015-91-3666	015-91-6668	015-91-3668	015-91-0668	015-91-5669	66											
68		86.36	3.400	83.82	3.300	015-91-2680	015-91-6680	015-91-3687	015-91-0680	015-91-3686	015-91-3686	015-91-3686	015-91-3686	015-91-6688	015-91-3688	015-91-0688	015-91-5689	68											
70		88.90	3.500	86.36	3.400	015-91-2700	015-91-6700	015-91-3707	015-91-0700	015-91-3706	015-91-3706	015-91-3706	015-91-3706	015-91-6708	015-91-3708	015-91-0708	015-91-5709	70											
72</																													

IN TAPE AND REEL WITH SHALLOW POCKET TAPE										BULK / IN TUBES		
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)	
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
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
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
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
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
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
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

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) <table border="1"> <tr><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES ± .---</td><td>± .---</td></tr> <tr><td>3 PLACES ± .---</td><td>± .005</td></tr> <tr><td>2 PLACES ± 0.13</td><td>± .010</td></tr> <tr><td>1 PLACE ± 0.25</td><td>± .---</td></tr> </table> ANGULAR ±1/2°	mm	INCH	4 PLACES ± .---	± .---	3 PLACES ± .---	± .005	2 PLACES ± 0.13	± .010	1 PLACE ± 0.25	± .---	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	SCALE DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 MOLEX MOLEX INCORPORATED	MATERIAL NO. SEE TABLE DOCUMENT NO. SD-71308-001 SHEET NO. 3 OF 6
	mm	INCH														
	4 PLACES ± .---	± .---														
	3 PLACES ± .---	± .005														
2 PLACES ± 0.13	± .010															
1 PLACE ± 0.25	± .---															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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				4-8 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		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	71308-5292									92	
94	119.38	4.700	116.84	4.600	114.30	4.500	71308-4094		71308-4194		71308-4294		71308-5094	71308-5194	71308-5294									94	
96	121.92	4.800	119.38	4.700	116.84	4.600	71308-4096		71308-4196		71308-4296		71308-5096	71308-5196	71308-5296									96	
98	124.46	4.900	121.92	4.800	119.38	4.700	71308-4098		71308-4198		71308-4298		71308-5098	71308-5198	71308-5298									98	
100	127.00	5.000	124.46	4.900	121.92	4.800	71308-4100		71308-4200		71308-4300		71308-5100	71308-5200	71308-5300									100	

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

SHORT PEG VERSION (.055")

SEE SHEET 1
EC NO: UCP2009-2465
DRW:MKTPPER
CHKD:SSOUSEK
APPR:FSMITH
2009/08/04
2009/08/07
2009/08/10

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

		DIMENSION STYLE MM/IN	
		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

DRAWN BY DATE
KMS 1999/10/15

CHECKED BY DATE
KMS 1999/10/15

APPROVED BY DATE
KMS 1999/10/15

MATERIAL NO.
SEE TABLE

SIZE
C

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.
5 OF 6

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

																	PEG OPTION																												
																	NO PEG VERSION				NO PEG VERSION				LONG PEG VERSION (.130")			SHORT PEG VERSION (.055")																	
																	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										
																			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										
																	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					
																	DIM. H							2.54(.100)							4.57(.180)			4.57(.180)			2.54(.100)			2.54(.100)					
																	DIM. J							5.08(.200)							7.11(.280)			7.11(.280)			5.08(.200)			5.08(.200)					
CKTS	DIM. A		DIM. B		DIM. C		EDP	EDP	EDP			EDP	EDP	EDP	EDP	EDP	EDP	EDP	EDP	EDP	EDP	EDP	EDP	EDP	EDP	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	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER											
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				71308-6710	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												
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												
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																																							