

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0713085450](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch C-Grid® Header, Surface Mount, Dual Row, Vertical, 50 Circuits, 1.50µm (59µ") Minimum Bright Tin (Sn) Over Nickel (Ni) Plating, without PCB Locator Pegs

**Documents:**

[3D Model](#) [Product Specification PS-71308 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**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) 50  
 Circuits (maximum) 50  
 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 Tin  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Number of Rows 2  
 Orientation Vertical  
 PCB Locator Yes  
 PCB Retention Yes  
 Packaging Type Tube  
 Pitch - Mating Interface (in) 0.100 In  
 Pitch - Mating Interface (mm) 2.54 mm  
 Polarized to PCB No  
 Shrouded No  
 Stackable Yes  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Surface Mount

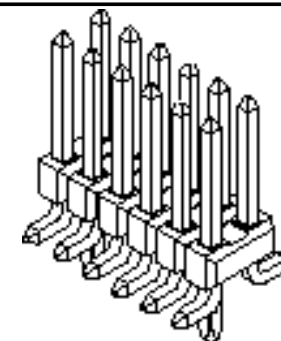
**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 40  
 Lead-free Process Capability Reflow Capable (SMT only)  
 Max. Cycles at Max. Process Temperature 3  
 Process Temperature max. C 260

**Material Info**



*Series  
image - Reference only*

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Contains SVHC: No**  
**Halogen-Free  
Status  
Not Reviewed**

**China RoHS**



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

Email [productcompliance@molex.com](mailto: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](#)

**Reference - Drawing Numbers**

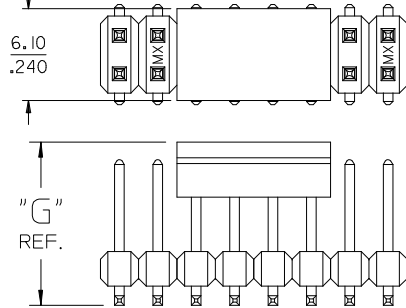
Product Specification  
Sales Drawing

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

This document was generated on 04/08/2010

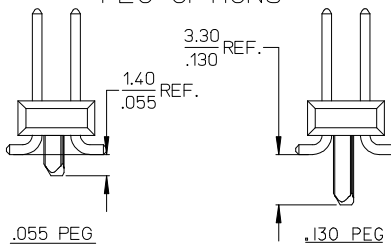
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OPTIONAL  
PICK AND PLACE CAP  
SEE NOTES 4 & 9.

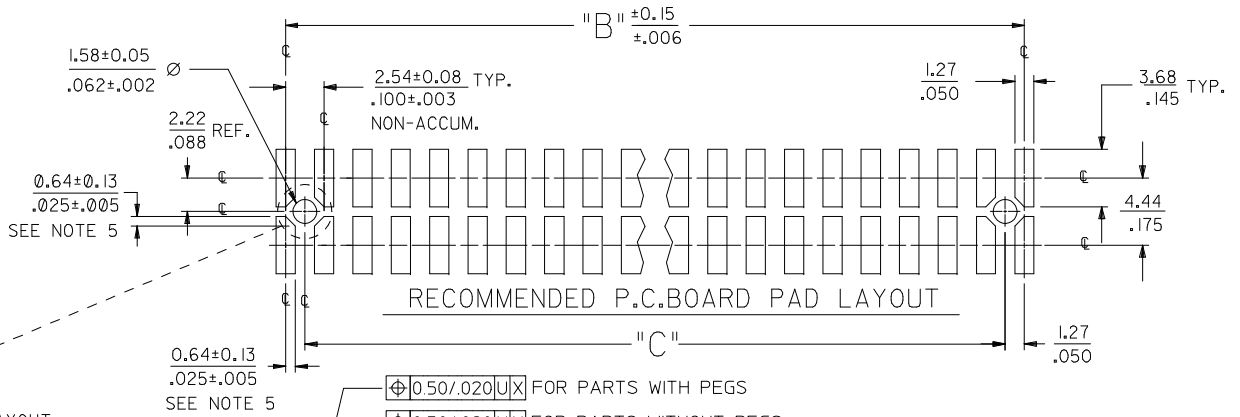


DIM. "M"	DIM. "G"
6.10 .240	10.67 .420
8.13 .320	12.70 .500

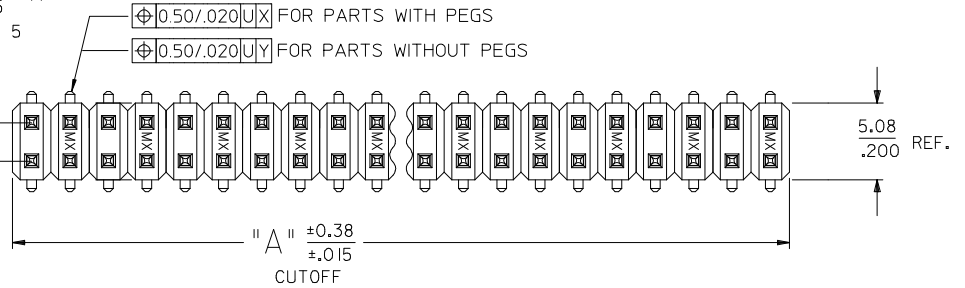
PEG OPTIONS



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



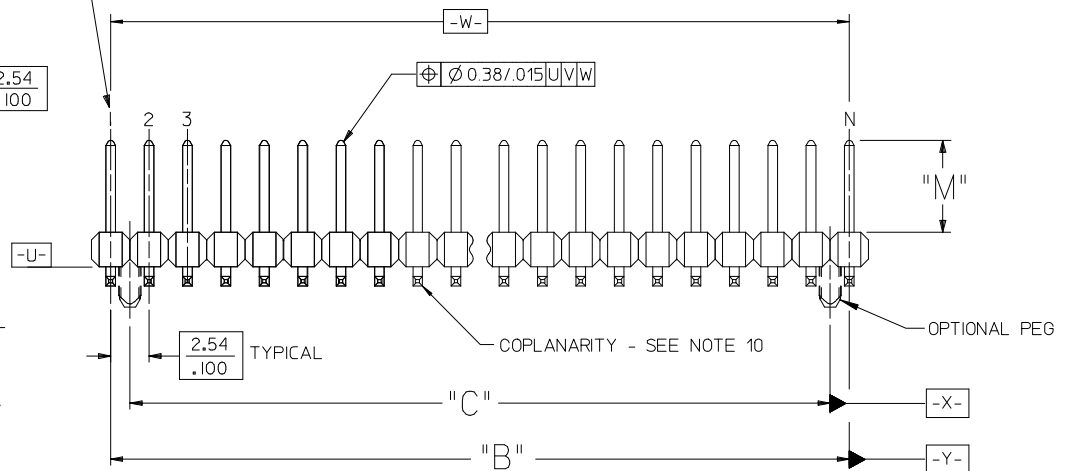
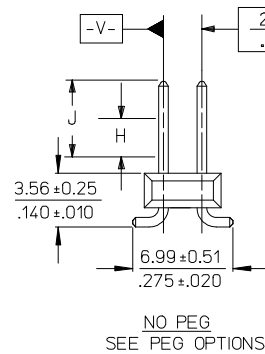
ROW "A"  
ROW "B"



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
K3	

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

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



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	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM/IN	INCH	INCH	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
		3 PLACES ± --- ±.005	KMS 1999/10/15	SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100		
		2 PLACES ± 0.13 ±.010	CHECKED BY DATE	MOLEX MOLEX INCORPORATED		
	1 PLACE ± 0.25 ± ---	KMS 1999/10/15	SD-71308-001			
	ANGULAR ±1/2°	APPROVED BY DATE	SHEET NO.			
		KMS 1999/10/15	3 OF 6			
		MATERIAL NO.	DOCUMENT NO.			
		SEE TABLE	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			
J		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)		150 TIN		15 GOLD		30 GOLD					
		PLATING						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)											
I	CKTS	DIM. A		DIM. B		DIM. C		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		EDP NUMBER		CKTS	
		MM	IN	MM	IN	MM	IN																						
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	015-91-6124	015-91-1122	015-91-6125	015-91-1123	015-91-6126	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	015-91-6184	015-91-1182	015-91-6185	015-91-1183	015-91-6186	015-91-1184	015-91-0187	015-91-1180	18													
20	25.40	1.000	22.86	.900	20.32	.800	015-91-1201	015-91-6204	015-91-1202	015-91-6205	015-91-1203	015-91-6206	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	015-91-6224	015-91-1222	015-91-6225	015-91-1223	015-91-6226	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	015-91-6244	015-91-1242	015-91-6245	015-91-1243	015-91-6246	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	015-91-6264	015-91-1262	015-91-6265	015-91-1263	015-91-6266	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	015-91-6284	015-91-1282	015-91-6285	015-91-1283	015-91-6286	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	015-91-6304	015-91-1302	015-91-6305	015-91-1303	015-91-6306	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	015-91-6324	015-91-1322	015-91-6325	015-91-1323	015-91-6326	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	015-91-6344	015-91-1342	015-91-6345	015-91-1343	015-91-6346	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	015-91-6364	015-91-1362	015-91-6365	015-91-1363	015-91-6366	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	015-91-6384	015-91-1382	015-91-6385	015-91-1383	015-91-6386	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	015-91-6404	015-91-1402	015-91-6405	015-91-1403	015-91-6406	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	015-91-6424	015-91-1422	015-91-6425	015-91-1423	015-91-6426	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	015-91-6444	015-91-1442	015-91-6445	015-91-1443	015-91-6446	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	015-91-6464	015-91-1462	015-91-6465	015-91-1463	015-91-6466	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	015-91-6484	015-91-1482	015-91-6485	015-91-1483	015-91-6486	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	015-91-6524	015-91-1522	015-91-6525	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	015-91-6544	015-91-1542	015-91-6545	015-91-1543	015-91-6546	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	015-91-6564	015-91-1562	015-91-6565	015-91-1563	015-91-6566	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	015-91-6584	015-91-1582	015-91-6585	015-91-1583	015-91-6586	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	015-91-6604	015-91-1602	015-91-6605	015-91-1603	015-91-6606	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	015-91-6624	015-91-1622	015-91-6625	015-91-1623	015-91-6626	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	015-91-6644	015-91-1642	015-91-6645	015-91-1643	015-91-6646	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	015-91-6664	015-91-1662	015-91-6665	015-91-1663	015-91-6666	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	015-91-6684	015-91-1682	015-91-6685	015-91-1683	015-91-6686	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	015-91-6704	015-91-1702	015-91-6705	015-91-1703	015-91-6706	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	015-91-6724	015-91-1722	015-91-6725	015-91-1723	015-91-6726	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	015-91-6744	015-91-1742	015-91-6745	015-91-1743	015-91-6746	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	015-91-6764	015-91-1762	015-91-6765	015-91-1763	015-91-6766	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	015-91-6784	015-91-1782	015-91-6785	015-91-1783	015-91-6786	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	015-91-6804	015-91-1802	015-91-6805	015-91-1803	015-91-6806	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	71308-5382	71308-5482	71308-5582	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	71308-5384	71308-5484	71308-5584	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	71308-5386	71308-5486	71308-5586	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	71308-5388	71308-5488	71308-5588	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	71308-5390	71308-5490	71308-5590	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	71308-5392	71308-5492	71308-5592	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	71308-5394	71308-5494	71308-5594	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	71308-5396	71308-5496	71308-5596	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	71308-5398	71308-5498	71308-5598	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	71308-5400	71308-5500	71308-5600	100													

B	LONG
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13	12	11	10	9	8	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				
			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)						

CKTS	DIM. A		DIM. B		DIM. C		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 DRWN:MKIPPER 2009/08/04 CHKD:SSOUSEK 2009/08/07 APPR:FSMITH 2009/08/10 K3	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM/IN			INCH		
				mm	INCH	DRAWN BY	DATE	TITLE	
				4 PLACES ± --- ± ---	± --- ± ---	KMS	1999/10/15	SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100	
		3 PLACES ± --- ± .005	± .005 ± .010	CHECKED BY	DATE	MOLEX INCORPORATED			
		2 PLACES ± 0.13 ± .010	± .010 ± ---	KMS	1999/10/15				
		1 PLACE ± 0.25 ± ---	± --- ± ---	APPROVED BY	DATE				
		ANGULAR ± 1/2°		KMS	1999/10/15				
				MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
				SEE TABLE		SD-71308-001	5 OF 6		
				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						
PEG OPTION													1					
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	59 TIN				
DIM. H				2.54(.100)				4.57(.180)		4.57(.180)	2.54(.100)		4.57(.180)	2.54(.100)				
DIM. J				5.08(.200)				7.11(.280)		7.11(.280)	5.08(.200)		7.11(.280)	5.08(.200)				
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	---	---	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	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	71308-5916	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	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

59 TIN PLATE ASSEMBLIES

SEE SHEET 1  
EC NO: UCP2009-2465  
DRAWN: KIPPER 2009/08/04  
CHKD: SSOUSEK 2009/08/07  
APPR: FSM/ETH 2009/08/10

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	± .005	± .001
3 PLACES	± .003	± .0005
2 PLACES	± 0.13	± .010
1 PLACE	± 0.25	± .010

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

SCALE 1:1

DESIGN UNITS INCH

THIRD ANGLE PROJECTION

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

MATERIAL NO.  
**SEE TABLE**

DOCUMENT NO.  
**SD-71308-001**

SHEET NO.  
**6 OF 6**

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