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Jameco Part Number 1962463

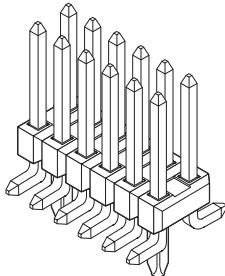
2.54mm (.100") Pitch

C-Grid®

Breakaway Header

71308

**Dual Row, SMT, Vertical
With or Without Peg**



Not For Use With Molex C-Grid III™ Components

Plating Option	Order No.		Lead-free
	Without PCB Retention Pegs	With PCB Retention Pegs	
150 μ " Tin	15-91-2XX0	15-91-1XX1	
15 μ " Gold	15-91-0XX0	15-91-1XX2	
30 μ " Gold	15-91-3XX0	15-91-1XX3	Yes

Replace XX with no. of circuits, 04-80 (even only). See Sales drawing for 82-100.

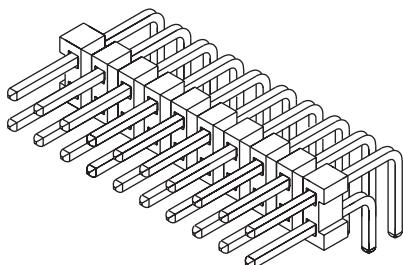
2.54mm (.100")

C-Grid®

Breakaway Header

71764

**Low Profile, Dual Row
Right Angle,
High-Temperature**



Not For Use With Molex C-Grid III™ Components

Plating Option	Order No.	Lead-free
15 μ " min. select Gold	71764-01XX	
30 μ " min. select Gold	71764-02XX	
150 μ " Tin/Lead, Nickel overall	71764-00XX	Yes

Replace XX with no. of circuits, 04-30 (even only)

Features and Benefits

- Available with or without retention pegs
- Gull wing surface mount tails
- Vapor phase/IR reflow process compatible
- Stackable end-to-end (on unbroken edges)
- Drawn .025" square wire provides 4-sided smooth interface

Reference Information

Product Specification: PS-71308

Packaging: Tube or tape and reel*

UL File No.: E29179

CSA File No.: LR19980

Mates With: 7859 Shunts, C-Grid Receptacles, SL Crimp, FFC and IDT Housings

Designed In: Inches

* Contact Molex for tape and reel order numbers

Electrical

Voltage: 250V

Current: 3.0A

Contact Resistance: 15 milliohms max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 1000 Megohms min.

Mechanical

Pin Retention to Header: 17.79N (4 lb)

Insertion Force to PCB: 35.58N (8 lb) per peg

Durability: Tin—25 cycles; Gold—50 cycles

Physical

Housing: Black high-temperature thermal plastic, UL 94V-0

Contact: Copper Alloy

Plating: See Table

Operating Temperature: -40 to +105°C

Screened Paste Thickness: .010 to .015"

C

2.54mm (.100") Pitch PCB and Wire Connectors

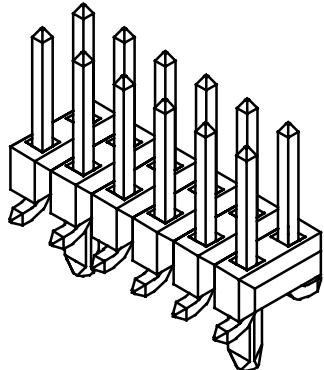
C

www.molex.com/product/cgrid/cgrid.html

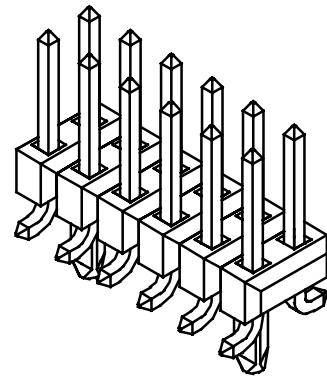




PRODUCT SPECIFICATION



SERIES 71308



SERIES 79168

C-GRID® SMT .100" GRID DUAL ROW HEADERS SERIES 71308 AND 79168

- 1.0 SCOPE
- 2.0 PRODUCT DESCRIPTION
 - 2.1 PRODUCT NAME AND SERIES NUMBERS
 - 2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS
 - 2.3 SAFETY AGENCY APPROVALS
- 3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS
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- 4.0 RATINGS
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 - 4.3 TEMPERATURE
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 - 5.2 MECHANICAL REQUIREMENTS
 - 5.3 ENVIRONMENTAL REQUIREMENTS
- 6.0 PACKAGING

REVISION: D2	ECR/ECN INFORMATION: <u>EC No:</u> UCP2007-1986 <u>DATE:</u> 2007/02/08	TITLE: .100" GRID VERTICAL DUAL ROW SURFACE MOUNT HEADERS	SHEET No. 1 of 3
DOCUMENT NUMBER: PS-71308	CREATED / REVISED BY: PRIDDER	CHECKED BY: ADERR	APPROVED BY: FSMITH
TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC			



PRODUCT SPECIFICATION

1.0 SCOPE:

This specification covers C-Grid® dual row surface mount headers. They utilize a gull wing design for surface mounting. C-Grid® surface mount headers are offered in low profile and high profile versions. The high profile version (SERIES 79168) has the wafer positioned .025in (0.64mm) higher than the low profile (SERIES 71308). The mating pins are .025in (0.64mm) square on a .100in (2.54mm) grid.

2.0 PRODUCT DESCRIPTION:

2.1 PRODUCT NAME AND SERIES NUMBER(S)

2.1.1 SERIES 71308: Low profile vertical surface mount header.

2.1.2 SERIES 79168: High profile vertical surface mount header.

DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

C-Grid® series 71308 and 79168 are available in circuit sizes of 4 through 80 circuits and is end to end stackable. The wafer is made from glass filled Liquid Crystal Polymer, (LCP) having a UL 94V-0 flammability rating. Mating pin lengths are .240in (6.0mm), and .320in (8.1mm) with gold or tin plating. Integral mounting pegs are offered in two lengths for each series as an option to aid assembly and/or retention during soldering. For further details, refer to sales document in section 3.1.

2.2 SAFETY AGENCY APPROVALS

2.2.1 UNDERWRITERS' LABORATORIES (UL) FILE NUMBER: E29179

2.2.2 CANADIAN STANDARDS ASSOCIATION (CSA) FILE NUMBER: LR19980

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

3.1 MOLEX DOCUMENTS

SD--71308-001	SALES DRAWING FOR LOW PROFILE C-GRID® SMT HEADER
SDA-79168-****	SALES DRAWING FOR HIGH PROFILE C-GRID® SMT HEADER
PK-70873-0353	PACKAGING SPECIFICATION FOR BULK PACKAGED PRODUCT (CIRCUIT SIZES 4-8)
PK-70873-0041	PACKAGING SPECIFICATION FOR TUBE PACKAGED PRODUCT (CIRCUIT SIZES 10-80)
PK-70873-0691	PACKAGING SPECIFICATION FOR TUBE PACKAGED PRODUCT WITH PICK AND PLACE CAPS
PK-70873-0805	PACKAGING SPECIFICATION FOR TAPE AND REEL PRODUCT WITH PICK AND PLACE CAPS
PS-45499-002	COSMETIC SPECIFICATION

3.2 OTHER DOCUMENTS

MIL STD 202F

4.0 RATINGS

4.1 VOLTAGE: 250 Volts DC

4.2 CURRENT: 3.0 Amps (DC) max

4.3 TEMPERATURE

4.3.1 PROCESSING TEMPERATURE: 245°C max. intermittent.

4.3.2 OPERATING TEMPERATURE: -40°C to +120°C

REVISION: D2	ECR/ECN INFORMATION: <u>EC No:</u> UCP2007-1986 <u>DATE:</u> 2007/02/08	TITLE: .100" GRID VERTICAL DUAL ROW SURFACE MOUNT HEADERS	SHEET No. 2 of 3
DOCUMENT NUMBER: PS-71308	CREATED / REVISED BY: PRIDDER	CHECKED BY: ADERR	APPROVED BY: FSMITH



PRODUCT SPECIFICATION

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

- 5.1.1 INSULATION RESISTANCE: Greater than 1000MΩ
- 5.1.2 DIELECTRIC WITHSTANDING VOLTAGE: Greater than 600Volts at sea level.
- 5.1.3 TEMPERATURE RISE: 30°C max at rated current

5.2 MECHANICAL REQUIREMENTS

- 5.2.1 RETENTION PEGS (Optional Item)
 - 5.2.1.1 INSERTION FORCE: 8.0 lbs average per peg (.062in PCB hole)
 - 5.2.1.2 RETENTION FORCE: 4.0 lbs average per peg (.062in PCB hole)

5.3 ENVIRONMENTAL REQUIREMENTS

- 5.3.1 THERMAL SHOCK
 - 10 Cycles from -40°C to 105°C, ½ hour at each temperature setting.
- 5.3.2 CHEMICAL RESISTANCE
 - Per Mil. Std. 202F, Method 215A.

6.0 PACKAGING

Product is available in bulk pack, tube pack and tape and reel. Tape and reel packaging includes a pick-n-place cap, ideal for high volume robotic placement. The pick-n-place cap is optional for tube packaged product. Refer to section 3.1 for applicable packaging document.

<u>REVISION:</u> D2	<u>ECR/ECN INFORMATION:</u> <u>EC No:</u> UCP2007-1986 <u>DATE:</u> 2007/02/08	<u>TITLE:</u> .100" GRID VERTICAL DUAL ROW SURFACE MOUNT HEADERS	<u>SHEET No.</u> 3 of 3
<u>DOCUMENT NUMBER:</u> PS-71308	<u>CREATED / REVISED BY:</u> PRIDDER	<u>CHECKED BY:</u> ADERR	<u>APPROVED BY:</u> FSMITH

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				
I	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)				
		DIM. A	DIM. B	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER				
		MM	IN	MM	IN								CKTS				
H	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
G	12	15.24	.600	12.70	.500	015-91-2120		015-91-3127	015-91-0120		015-91-3126	015-91-3120		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
F	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		015-91-3267	015-91-0260		015-91-3266	015-91-3260		015-91-3268	015-91-0268	015-91-5269	26
E	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
D	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
C	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
B	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
A	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
D	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
C	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
B	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
A	92	116.84	4.600	114.30	4.500	71308-0092		71308-0492	71308-0192		71308-0592	71308-0292		71308-0692	71308-1192	71308-1292	92
	94	119.38	4.700	116.84	4.600	71308-0094		71308-0494	71308-0194		71308-0594	71308-0294		71308-0694	71308-1194	71308-1294	94
	96	121.92	4.800	119.38	4.700	71308-0096		71308-0496	71308-0196		71308-0596	71308-0296		71308-0696	71308-1196	71308-1296	96
	98	124.46	4.900	12													

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	
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		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

SEE SHEET 1 EC NO: UCP2009-0323 DRAWING NUMBER: 2008/08/22 CHDKM1 PAPER APPR:FSM/TH REV: K1	QUALITY SYMBOLS ▼=0 △=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH	DIMENSION STYLE MM/IN	SCALE INCH	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		DRAWN BY KMS	DATE 1999/10/15	TITLE SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100		
		CHECKED BY KMS	DATE 1999/10/15			
		APPROVED BY KMS	DATE 1999/10/15	MOLEX INCORPORATED		
		ANGULAR ±1/2°		MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-71308-001	SHEET NO. 3 OF 6
		SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

NO PEG VERSION

(ALSO SEE SHEET 2)

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						
			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						
			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						
I	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)							
H	CKTS	DIM. A	DIM. B	DIM. C	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER					
	MM	IN	MM	IN	MM	IN	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	015-91-1044	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
G	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
F	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
E	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
D	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
C	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
B	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
A	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
D	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
C	72	91.44	3.600	89.90	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	89.90	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
B	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
A	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
B	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
LONG PEG VERSION (.130")																	
SEE SHEET 1 EC NO: UCP2009-0323 DRAWING NO: 2008/06/22 CHKD																	

SHORT PEG VERSION (0.55")

SEE SHEET 1 EC NO: UCP2009-0-3223 DRAWN:FAVERILL CHDK:MK(PPER APPR:FSMITH REV:K1	QUALITY SYMBOLS ▼=0 △=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY	DATE	TITLE			
		4 PLACES	± ---	± ---	KMS	1999/10/15	SALES ASSY INSULATOR		
		3 PLACES	± ---	± .005	CHECKED BY	DATE	DUAL ROW SMT W/BREAK-OFF		
		2 PLACES	± 0.13	± .010	KMS	1999/10/15	.025SQ PIN GULLWING .100		
		1 PLACE	± 0.25	± ---	APPROVED BY	DATE	molex MOLEX INCORPORATED		
		ANGULAR ± 1/2°			KMS	1999/10/15			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
SEE TABLE					SD-71308-001	5 OF 6			
SIZE C 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	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)			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 NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	EDP NUMBER	CKTS				
04	5.08	.200	254	.100	---	---	71308-5404	71308-5504	N/A										04				
06	7.62	.300	5.08	.200	254	.100	71308-5406	71308-5506	N/A										06				
08	10.16	.400	7.62	.300	5.08	.200	71308-5408	71308-5508	71308-5608										08				
10	12.70	.500	10.16	.400	7.62	.300	71308-5410	71308-5510	71308-5610										10				
12	15.24	.600	12.70	.500	10.16	.400	71308-5412		71308-5612										12				
14	17.78	.700	15.24	.600	12.70	.500	71308-5414	71308-5514	71308-5614										14				
16	20.32	.800	17.78	.700	15.24	.600	71308-5416	71308-5516	71308-5616										16				
18	22.86	.900	20.32	.800	17.78	.700	71308-5418		71308-5618										18				
20	25.40	1.000	22.86	.900	20.32	.800	71308-5420	71308-5520	71308-5620										20				
22	27.94	1.100	25.40	1.000	22.86	.900	71308-5422		71308-5622										22				
24	30.48	1.200	27.94	1.100	25.40	1.000	71308-5424		71308-5624										24				
26	33.02	1.300	30.48	1.200	27.94	1.100	71308-5426		71308-5626										26				
28	35.56	1.400	33.02	1.300	30.48	1.200	71308-5428		71308-5628										28				
30	38.10	1.500	35.56	1.400	33.02	1.300	71308-5430		71308-5630										30				
32	40.64	1.600	38.10	1.500	35.56	1.400	71308-5432		71308-5632										32				
34	43.18	1.700	40.64	1.600	38.10	1.500	71308-5434		71308-5634										34				
36	45.72	1.800	43.18	1.700	40.64	1.600	71308-5436		71308-5636										36				
38	48.26	1.900	45.72	1.800	43.18	1.700	71308-5438		71308-5638										38				
40	50.80	2.000	48.26	1.900	45.72	1.800	71308-5440	71308-5540	71308-5640										40				
42	53.34	2.100	50.80	2.000	48.26	1.900	71308-5442		71308-5642										42				
44	55.88	2.200	53.34	2.100	50.80	2.000	71308-5444		71308-5644										44				
46	58.42	2.300	55.88	2.200	53.34	2.100	71308-5446		71308-5646										46				
48	60.96	2.400	58.42	2.300	55.88	2.200	71308-5448		71308-5648										48				
50	63.50	2.500	60.96	2.400	58.42	2.300	71308-5450	71308-5550	71308-5650										50				
52	66.04	2.600	63.50	2.500	60.96	2.400	71308-5452		71308-5652										52				
54	68.58	2.700	66.04	2.600	63.50	2.500	71308-5454		71308-5654										54				
56	71.12	2.800	68.58	2.700	66.04	2.600	71308-5456		71308-5656										56				
58	73.66	2.900	71.12	2.800	68.58	2.700	71308-5458		71308-5658										58				
60	76.20	3.000	73.66	2.900	71.12	2.800	71308-5460		71308-5660										60				
62	78.74	3.100	76.20	3.000	73.66	2.900	71308-5462		71308-5662										62				
64	81.28	3.200	78.74	3.100	76.20	3.000	71308-5464		71308-5664										64				
66	83.82	3.300	81.28	3.200	78.74	3.100	71308-5466		71308-5666										66				
68	86.36	3.400	83.82	3.300	81.28	3.200	71308-5468		71308-5668										68				
70	88.90	3.500	86.36	3.400	83.82	3.300	71308-5470		71308-5670										70				
72	91.44	3.600	88.90	3.500	86.36	3.400	71308-5472		71308-5672										72				
74	93.98	3.700	91.44	3.600	88.90	3.500	71308-5474		71308-5674										74				
76	96.52	3.800	93.98	3.700	91.44	3.600	71308-5476		71308-5676										76				
78	99.06	3.900	96.52	3.800	93.98	3.700	71308-5478		71308-5678										78				
80	101.60	4.000	99.06	3.900	96.52	3.800	71308-5480		71308-5680										80				
82	104.14	4.100	101.60	4.000	99.06	3.900	71308-5482		71308-5682										82				
84	106.68	4.200	104.14	4.100	101.60	4.000	71308-5484		71308-5684										84				
86	109.22	4.300	106.68	4.200	104.14	4.100	71308-5486		71308-5686										86				
88	111.76	4.400	109.22	4.300	106.68	4.200	71308-5488		71308-5688										88				
90	114.30	4.500	111.76	4.400	109.22	4.300	71308-5490		71308-5690										90				
92	116.84	4.600	114.30	4.500	111.76	4.400	71308-5492		71308-5692										92				
94	119.38	4.700	116.84	4.600	114.30	4.500	71308-5494		71308-5694										94				
96	121.92	4.800	119.38	4.700	116.84	4.600	71308-5496		71308-5696										96				
98	124.46	4.900	121.92	4.800	119.38	4.700	71308-5498		71308-5698										98				
100	127.00	5.000	124.46	4.900	121.92	4.800	71308-5500		71308-5700										100				

SEE SHEET 1
EC NO: UCP2009-0323
DRAWING NUMBER: 2008/08/22
CHDKM: PPER
APR/FSM: H
REV: 1
K1

GENERAL TOLERANCES
(UNLESS SPECIFIED)

QUALITY SYMBOLS

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

ANGLE PROJECTION

SCALE: 1:1 INCH

DESIGN UNITS: INCH

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

molex MOLEX INCORPORATED

MATERIAL NO. SEE TABLE SD-71308-001

DOCUMENT NO. SHEET NO. 6 OF 6

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

59 TIN PLATE ASSEMBLIES