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Part Number: [0015911142](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Surface Mount, Dual Row, Vertical, 14 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, with 3.30mm (.130") 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) 14
 Circuits (maximum) 14
 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 Yes
 PCB Retention Yes
 Packaging Type Tube
 Pitch - Mating Interface (in) 0.100 In
 Pitch - Mating Interface (mm) 2.54 mm
 Plating min: Mating (µin) 15.2
 Plating min: Mating (µm) 0.38
 Plating min: Termination (µin) 80
 Plating min: Termination (µm) 2
 Polarized to Mating Part No
 Polarized to PCB No
 Shrouded No
 Stackable Yes
 Temperature Range - Operating -40°C to +105°C
 Termination Interface: Style Surface Mount

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 30
 Lead-free Process Capability Reflow Capable (SMT only)



*Series
image - Reference only*

EU RoHS

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

China RoHS



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

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

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

Search Parts in this Series

[71308Series](#)

Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Old Part Number	71308-4114N
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Reference - Drawing Numbers

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

This document was generated on 03/31/2010

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

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	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 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
								SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 MOLEX INCORPORATED	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE		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			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	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	06
08	10.16	.400	7.62	.300	5.08	.200	71308-5408	71308-5508	71308-5608					71308-6408	71308-6508	71308-6608	08
10	12.70	.500	10.16	.400	7.62	.300	71308-5410	71308-5510	71308-5610		71308-5810	71308-5910		71308-6410	71308-6510	71308-6610	10
12	15.24	.600	12.70	.500	10.16	.400	71308-5412	71308-5512	71308-5612					71308-6412		71308-6612	12
14	17.78	.700	15.24	.600	12.70	.500	71308-5414	71308-5514	71308-5614					71308-6414	71308-6514	71308-6614	14
16	20.32	.800	17.78	.700	15.24	.600	71308-5416	71308-5516	71308-5616		71308-5816			71308-6416	71308-6516	71308-6616	16
18	22.86	.900	20.32	.800	17.78	.700	71308-5418		71308-5618					71308-6418		71308-6618	18
20	25.40	1.000	22.86	.900	20.32	.800	71308-5420	71308-5520						71308-6420		71308-6620	20
22	27.94	1.100	25.40	1.000	22.86	.900	71308-5422		71308-5622					71308-6422		71308-6622	22
24	30.48	1.200	27.94	1.100	25.40	1.000	71308-5424		71308-5624		71308-5724	71308-5824		71308-6424		71308-6624	24
26	33.02	1.300	30.48	1.200	27.94	1.100	71308-5426		71308-5626					71308-6426		71308-6626	26
28	35.56	1.400	33.02	1.300	30.48	1.200	71308-5428		71308-5628					71308-6428		71308-6628	28
30	38.10	1.500	35.56	1.400	33.02	1.300	71308-5430		71308-5630					71308-6430		71308-6630	30
32	40.64	1.600	38.10	1.500	35.56	1.400	71308-5432		71308-5632					71308-6432		71308-6632	32
34	43.18	1.700	40.64	1.600	38.10	1.500	71308-5434		71308-5634					71308-6434		71308-6634	34
36	45.72	1.800	43.18	1.700	40.64	1.600	71308-5436		71308-5636					71308-6436		71308-6636	36
38	48.26	1.900	45.72	1.800	43.18	1.700	71308-5438		71308-5638					71308-6438		71308-6638	38
40	50.80	2.000	48.26	1.900	45.72	1.800	71308-5440	71308-5540	71308-5640					71308-6440		71308-6640	40
42	53.34	2.100	50.80	2.000	48.26	1.900	71308-5442		71308-5642					71308-6442		71308-6642	42
44	55.88	2.200	53.34	2.100	50.80	2.000	71308-5444		71308-5644					71308-6444		71308-6644	44
46	58.42	2.300	55.88	2.200	53.34	2.100	71308-5446		71308-5646					71308-6446		71308-6646	46
48	60.96	2.400	58.42	2.300	55.88	2.200	71308-5448		71308-5648					71308-6448		71308-6648	48
50	63.50	2.500	60.96	2.400	58.42	2.300	71308-5450	71308-5550	71308-5650					71308-6450	71308-6550	71308-6650	50
52	66.04	2.600	63.50	2.500	60.96	2.400	71308-5452		71308-5652					71308-6452		71308-6652	52
54	68.58	2.700	66.04	2.600	63.50	2.500	71308-5454		71308-5654					71308-6454		71308-6654	54
56	71.12	2.800	68.58	2.700	66.04	2.600	71308-5456		71308-5656					71308-6456		71308-6656	56
58	73.66	2.900	71.12	2.800	68.58	2.700	71308-5458		71308-5658					71308-6458		71308-6658	58
60	76.20	3.000	73.66	2.900	71.12	2.800	71308-5460		71308-5660					71308-6460		71308-6660	60
62	78.74	3.100	76.20	3.000	73.66	2.900	71308-5462		71308-5662					71308-6462		71308-6662	62
64	81.28	3.200	78.74	3.100	76.20	3.000	71308-5464		71308-5664					71308-6464		71308-6664	64
66	83.82	3.300	81.28	3.200	78.74	3.100	71308-5466		71308-5666					71308-6466		71308-6666	66
68	86.36	3.400	83.82	3.300	81.28	3.200	71308-5468		71308-5668					71308-6468		71308-6668	68
70	88.90	3.500	86.36	3.400	83.82	3.300	71308-5470		71308-5670					71308-6470		71308-6670	70
72	91.44	3.600	88.90	3.500	86.36	3.400	71308-5472		71308-5672					71308-6472		71308-6672	72
74	93.98	3.700	91.44	3.600	88.90	3.500	71308-5474		71308-5674					71308-6474		71308-6674	74
76	96.52	3.800	93.98	3.700	91.44	3.600	71308-5476		71308-5676					71308-6476		71308-6676	76
78	99.06	3.900	96.52	3.800	93.98	3.700	71308-5478		71308-5678					71308-6478		71308-6678	78
80	101.60	4.000	99.06	3.900	96.52	3.800	71308-5480		71308-5680					71308-6480		71308-6680	80
82	104.14	4.100	101.60	4.000	99.06	3.900	71308-5482		71308-5682					71308-6482		71308-6682	82
84	106.68	4.200	104.14	4.100	101.60	4.000	71308-5484		71308-5684					71308-6484		71308-6684	84
86	109.22	4.300	106.68	4.200	104.14	4.100	71308-5486		71308-5686					71308-6486		71308-6686	86
88	111.76	4.400	109.22	4.300	106.68	4.200	71308-5488		71308-5688					71308-6488		71308-6688	88
90	114.30	4.500	111.76	4.400	109.22	4.300	71308-5490		71308-5690					71308-6490		71308-6690	90
92	116.84	4.600	114.30	4.500	111.76	4.400	71308-5492		71308-5692					71308-6492		71308-6692	92
94	119.38	4.700	116.84	4.600	114.30	4.500	71308-5494		71308-5694					71308-6494		71308-6694	94
96	121.92	4.800	119.38	4.700	116.84	4.600	71308-5496		71308-5696					71308-6496		71308-6696	96
98	124.46	4.900	121.92	4.800	119.38	4.700	71308-5498		71308-5698					71308-6498		71308-6698	98
100	127.00	5.000	124.46	4.900	121.92	4.800	71308-5500		71308-5700					71308-6500		71308-6700	100

59 TIN PLATE ASSEMBLIES

SEE SHEET 1 EC NO: UCP2009-2465 DRAWN: KIPPER CHKD: SSOUSEK APPR: F.S.M.LTH 2009/08/04 2009/08/07 2009/08/10	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .010 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2°	MM/IN	1:1	INCH	DRAWN BY DATE KMS 1999/10/15 CHECKED BY DATE KMS 1999/10/15 APPROVED BY DATE KMS 1999/10/15
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	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
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				