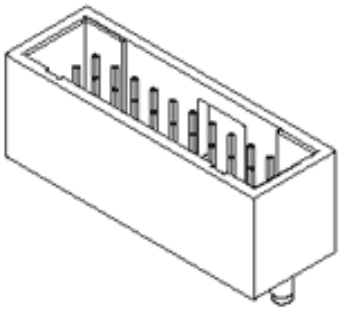
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This document was generated on 05/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0713492050
Status: Active
Overview: cgrid__sl_products
Description: 2.54mm (.100") Pitch C-Grid® Header, Surface Mount, Dual Row, Vertical, Shrouded, 36 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, with Press-fit Plastic Pegs



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-71349-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	71349
Application	Wire-to-Board
Overview	cgrid__sl_products
Product Name	C-Grid®

Physical

Breakaway	No
Circuits (Loaded)	36
Color - Resin	Black
Durability (mating cycles max)	50
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.000 In
PC Tail Length (mm)	0.00 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.000 In
PCB Thickness Recommended (mm)	0.00 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.375
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.875
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

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

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
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
71349Series

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	245

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0018, PK-70873-0019
Product Specification	PS-71349-001
Sales Drawing	SDA-71349-****

This document was generated on 05/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

NOTES:

1- MATERIALS:
SHROUDED WAFER: LCP, COLOR: BLACK, 94V-0
PINS: COPPER ALLOY.

2- PLATING FINISHES FOR PINS:
TIN: .000150 MINIMUM TIN OVER
.000050 MINIMUM NICKEL.
15 GOLD: .000015 MINIMUM GOLD PLATE IN SELECTED AREA AND
.000075 MINIMUM TIN IN SELECTED AREA
OVER .000050 MINIMUM NICKEL OVER-ALL.
30 GOLD: .000030 MINIMUM GOLD PLATE IN SELECTED AREA AND
.000075 MINIMUM TIN IN SELECTED AREA
OVER .000050 MINIMUM NICKEL OVER-ALL.

3- PRODUCT CONFORMS TO PS-71349-001.

4- SEE SHEETS 3 AND 4 FOR PACKAGING DETAILS.

5- ROW TO ROW PIN HEIGHT VARIATION MUST NOT EXCEED .005/(0.13).

6- THIS SHOULDER IS .125/(3.18) FOR 6 CIRCUIT ONLY.
.174/(4.42) FOR ALL OTHER CIRCUIT SIZES.

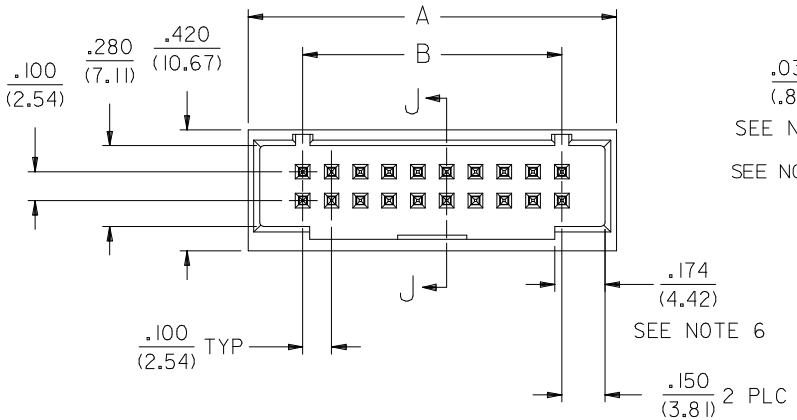
7- 20 CIRCUIT SIZE SHOWN FOR ILLUSTRATION PURPOSES.

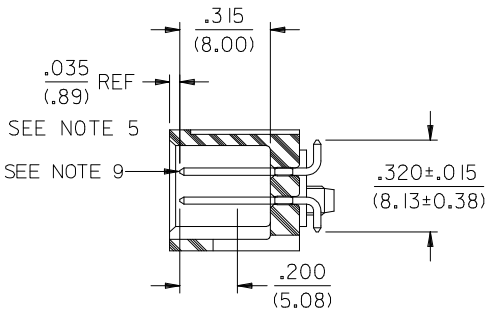
8- PIN SMT TAILS MUST MEET SOLDERABILITY PER MIL-STD-202, METHOD 208B.

9- PIN PUSHOUT FORCE 4 LBS/(17.79N) MINIMUM IN THE DIRECTION INDICATED.

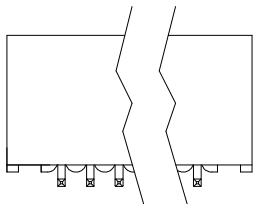
10- PRODUCT MATES TO 70013B (6 TO 50 CKTS).

11- PARTS CONFORM TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002

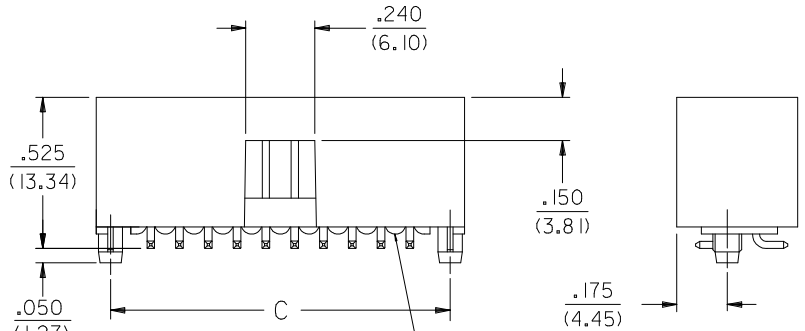




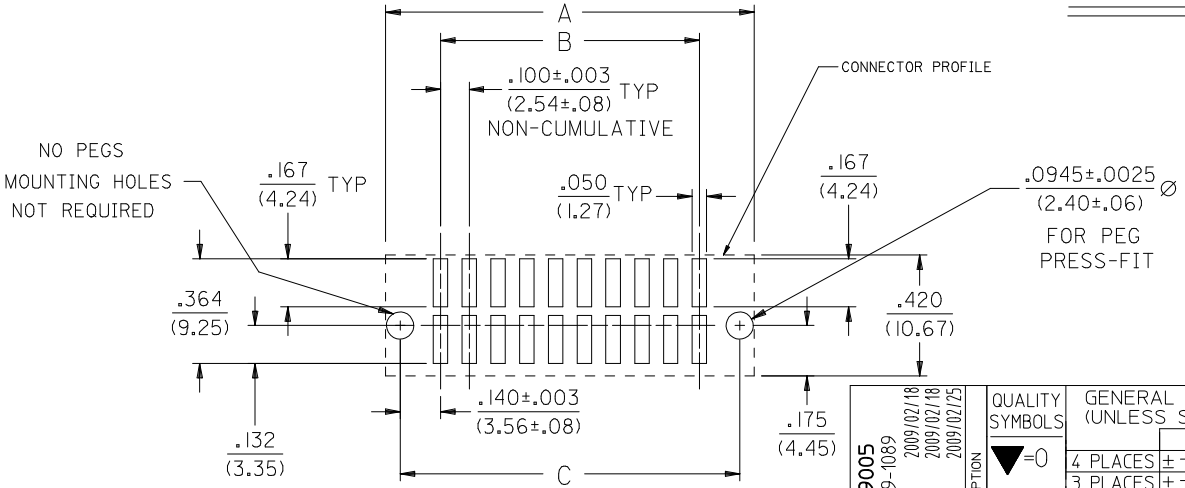
SECTION J-J



NO PEGS



WITH PEGS



RECOMMENDED P.C. BOARD LAYOUT

NOTE FOR LEAD FREE CONVERSON:
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.

4	12
3	J1
2	C
1	J1
SHT	REV

ADD 71349-9005
EC NO: UCP2009-1089 2009/02/18
DRWN: MKIPPER 2009/02/18
CHKD: SSOUSEK 2009/02/25
APPR: FSMITH
DESCRIPTION
REV
J1

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 3:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: RB DATE: 10/26/1992
CHECKED BY: DJB DATE: 10/26/1992
APPROVED BY: DJB DATE: 10/26/1992
MATERIAL NO.: SEE TABLE

TITLE: SALES ASSY, WAFER-4 SIDES SHROUDED, HIGH TEMP, SMT POLAR SLOTS, .100 GRID
MOLEX INCORPORATED
DOCUMENT NO.: SDA-71349-****
SHEET NO.: 1 OF 4
SIZE: C

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NO. OF CKTS	"A"		"B"		"C"	
	INCH ±.005	MM ±.13	INCH ±.003	MM ±.08	INCH ±.003	MM ±.08
06	.580	14.73	.200	5.08	.480	12.19
08	.680	17.27	.300	7.62	.580	14.73
10	.780	19.81	.400	10.16	.680	17.27
12	.880	22.35	.500	12.70	.780	19.81
14	.980	24.89	.600	15.24	.880	22.35
16	1.080	27.43	.700	17.78	.980	24.89
18	1.180	29.97	.800	20.32	1.080	27.43
20	1.280	32.51	.900	22.86	1.180	29.97
22	1.380	35.05	1.000	25.40	1.280	32.51
24	1.480	37.59	1.100	27.94	1.380	35.05
26	1.580	40.13	1.200	30.48	1.480	37.59
28	1.680	42.67	1.300	33.02	1.580	40.13
30	1.780	45.21	1.400	35.56	1.680	42.67
32	1.880	47.75	1.500	38.10	1.780	45.21
34	1.980	50.29	1.600	40.64	1.880	47.75
36	2.080	52.83	1.700	43.18	1.980	50.29
38	2.180	55.37	1.800	45.72	2.080	52.83
40	2.280	57.91	1.900	48.26	2.180	55.37
42	2.380	60.45	2.000	50.80	2.280	57.91
44	2.480	62.99	2.100	53.34	2.380	60.45
46	2.580	65.53	2.200	55.88	2.480	62.99
48	2.680	68.07	2.300	58.42	2.580	65.53
50	2.780	70.61	2.400	60.96	2.680	68.07
52	2.880	73.15	2.500	63.50	2.780	70.61
54	2.980	75.69	2.600	66.04	2.880	73.15
56	3.080	78.23	2.700	68.58	2.980	75.69
58	3.180	80.77	2.800	71.12	3.080	78.23
60	3.280	83.31	2.900	73.66	3.180	80.77
62	3.380	85.85	3.000	76.20	3.280	83.31
64	3.480	88.39	3.100	78.74	3.380	85.85
66	3.580	90.93	3.200	81.28	3.480	88.39
68	3.680	93.47	3.300	83.82	3.580	90.93
70	3.780	96.01	3.400	86.36	3.680	93.47
72	3.880	98.55	3.500	88.90	3.780	96.01

71349

C	SEE SHEET 1
B	SEE SHEET 1
A	SEE SHEET 1

MFG.	SH.	REV.	LTR.	REVISIONS

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED
TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± --	--
2 PLACE	± --	± --
1 PLACE	--	± --

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY	WGM	CHK'D. BY	DJB
APP'D. BY	DJB	SCALE	N : A

C = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE
WAFER-4 SIDES SHROUDED, HIGH TEMP, .150 END WALL, POLAR SLOTS, .100 GRID, SURFACE MOUNT

MOLEX INCORPORATED
LISLE, ILL. 60532 U.S.A.

SHEET NO. 2

DATE 6/10/96

PART NO. SEE CHART

DRWG. NO. SDA-71349-****

FILE NAME S71349X2

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DIV. DA

SIZE C

WITH PEGS

PLATING	TIN		15 GOLD		30 GOLD	
PACKAGING	TUBES PK-70873-0019	TAPE & REEL PK-71349-001	TUBES PK-70873-0019	TAPE & REEL PK-71349-001	TUBES PK-70873-0019	TAPE & REEL PK-71349-001
NO. OF CKTS	ASSEMBLY ITEM NO.		ASSEMBLY ITEM NO.		ASSEMBLY ITEM NO.	ASSEMBLY ITEM NO.
06	71349-2001		71349-2035		71349-2069	
08	71349-2002		71349-2036		71349-2070	
10	71349-2003	71349-6003	71349-2037	71349-8037	71349-2071	71349-4071
12	71349-2004		71349-2038		71349-2072	
14	71349-2005		71349-2039		71349-2073	
16	71349-2006		71349-2040		71349-2074	
18	71349-2007		71349-2041		71349-2075	
20	71349-2008	71349-6008	71349-2042	71349-8042	71349-2076	71349-4076
22	71349-2009		71349-2043		71349-2077	
24	71349-2010		71349-2044		71349-2078	
26	71349-2011		71349-2045		71349-2079	
28	71349-2012		71349-2046		71349-2080	
30	71349-2013		71349-2047		71349-2081	
32	71349-2014		71349-2048		71349-2082	
34	71349-2015		71349-2049		71349-2083	
36	71349-2016		71349-2050		71349-2084	
38	71349-2017		71349-2051		71349-2085	
40	71349-2018		71349-2052		71349-2086	
42	71349-2019		71349-2053		71349-2087	
44	71349-2020		71349-2054		71349-2088	
46	71349-2021		71349-2055		71349-2089	
48	71349-2022		71349-2056		71349-2090	
50	71349-2023	71349-6023	71349-2057	71349-8057	71349-2091	71349-4091
52	71349-2024		71349-2058		71349-2092	
54	71349-2025		71349-2059		71349-2093	
56	71349-2026		71349-2060		71349-2094	
58	71349-2027		71349-2061		71349-2095	
60	71349-2028		71349-2062		71349-2096	
62	71349-2029		71349-2063		71349-2097	
64	71349-2030		71349-2064		71349-2098	
66	71349-2031		71349-2065		71349-2099	
68	71349-2032		71349-2066		71349-2100	
70	71349-2033		71349-2067		71349-2101	
72	71349-2034		71349-2068		71349-2102	

WITHOUT PEGS

PLATING	TIN		15 GOLD		30 GOLD	
PACKAGING	TUBES PK-70873-0018	TAPE & REEL PK-71349-001	TUBES PK-70873-0018	TAPE & REEL PK-71349-001	TUBES PK-70873-0018	TAPE & REEL PK-71349-001
NO. OF CKTS	ASSEMBLY ITEM NO.	ASSEMBLY ITEM NO.	ASSEMBLY ITEM NO.	ASSEMBLY ITEM NO.	ASSEMBLY ITEM NO.	ASSEMBLY ITEM NO.
06	71349-1001		71349-1035		71349-1069	
08	71349-1002	71349-9002	71349-1036	71349-0036	71349-1070	71349-5036
10	71349-1003	71349-9003	71349-1037	71349-0037	71349-1071	71349-5037
12	71349-1004		71349-1038		71349-1072	
14	71349-1005	71349-9005	71349-1039		71349-1073	
16	71349-1006		71349-1040	71349-0040	71349-1074	
18	71349-1007		71349-1041		71349-1075	
20	71349-1008	71349-9008	71349-1042	71349-0042	71349-1076	71349-5042
22	71349-1009		71349-1043		71349-1077	
24	71349-1010		71349-1044		71349-1078	
26	71349-1011		71349-1045		71349-1079	
28	71349-1012		71349-1046		71349-1080	
30	71349-1013		71349-1047		71349-1081	
32	71349-1014		71349-1048		71349-1082	
34	71349-1015		71349-1049		71349-1083	
36	71349-1016		71349-1050		71349-1084	
38	71349-1017		71349-1051		71349-1085	
40	71349-1018		71349-1052		71349-1086	
42	71349-1019		71349-1053		71349-1087	
44	71349-1020		71349-1054		71349-1088	
46	71349-1021		71349-1055		71349-1089	
48	71349-1022		71349-1056		71349-1090	
50	71349-1023	71349-9023	71349-1057	71349-0057	71349-1091	71349-5057
52	71349-1024		71349-1058		71349-1092	
54	71349-1025		71349-1059		71349-1093	
56	71349-1026		71349-1060		71349-1094	
58	71349-1027		71349-1061		71349-1095	
60	71349-1028		71349-1062		71349-1096	
62	71349-1029		71349-1063		71349-1097	
64	71349-1030		71349-1064		71349-1098	
66	71349-1031		71349-1065		71349-1099	
68	71349-1032		71349-1066		71349-1100	
70	71349-1033		71349-1067		71349-1101	
72	71349-1034		71349-1068		71349-1102	

ADD 71349-9005
EC NO: UCP2009-1089
DRWN:MKIPPER 2009/02/18
CHKD:SSOUSEK 2009/02/18
APPR:FSMITH 2009/02/25
DESCRIPTION
REV
J1

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	WGM	06/10/1996
CHECKED BY	DJB	06/10/1996
APPROVED BY	DJB	06/10/1996

TITLE: SALES ASSY,4-SIDES SHROUDED, HIGH TEMP, SMT POLAR SLOTS, .150 GRID

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-71349-****
SHEET NO.: 3 OF 4
SIZE: C

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