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Part Number: [0015477610](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Through Hole, Dual Row, Vertical, High Temperature, Shrouded, with Peg, 10 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Documents:

3D Model	Product Specification PS-70567 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	70568
Application	Wire-to-Board
Product Name	C-Grid®

Physical

Breakaway	No
Circuits (Loaded)	10
Color - Resin	Black
First Mate / Last Break	No
Flammability	94V-0
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 - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.093 In
PCB Thickness Recommended (mm)	2.40 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole

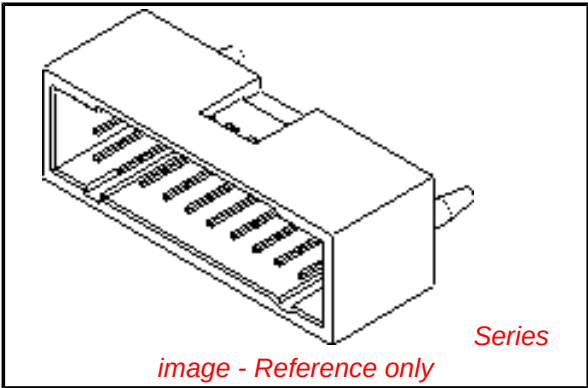


image - Reference only

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
[70568Series](#)

Electrical

Current - Maximum per Contact	2.5A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	245

Material Info

Old Part Number	A-70568-0037
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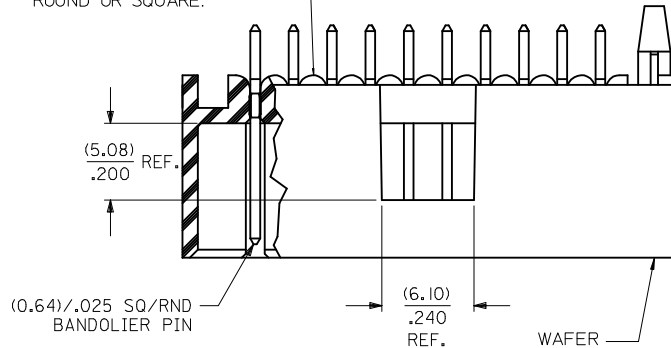
Reference - Drawing Numbers

Product Specification	PS-70567
Sales Drawing	SDA-70568-****

This document was generated on 03/31/2010

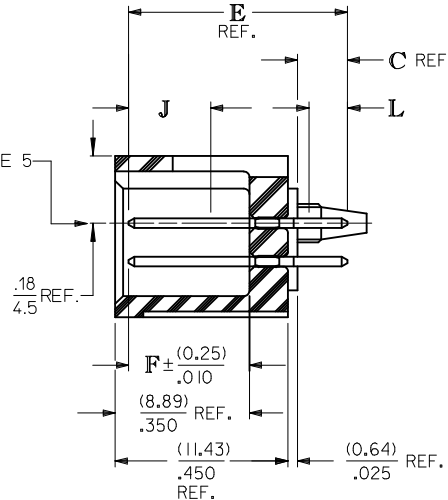
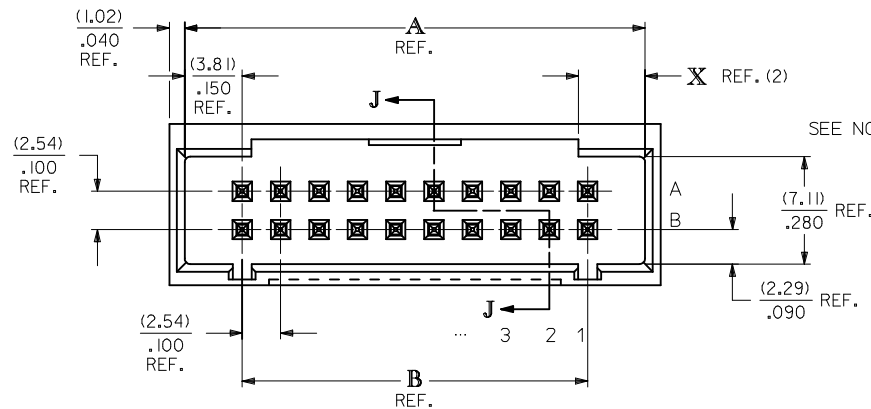
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STAND OFFS CAN BE EITHER
ROUND OR SQUARE.



NOTES:

1. MATERIAL: WAFER - GLASS FILLED LIQUID CRYSTAL POLYMER, UL 94V-0, COLOR: BLACK, PIN: COPPER ALLOY.
2. PLATING: TIN
TIN(Sn) ALLOY OVER ENTIRE PIN: THICKNESS = (3.81 MICROMETER)/ 150 MICROINCH MINIMUM;
NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.
15 GOLD SELECTIVE GOLD (Au) IN THE CONTACT AREA: THICKNESS = (0.38 MICROMETER)/ 15 MICROINCH MINIMUM;
SELECTIVE TIN (Sn) ALLOY IN THE PC TAIL AREA: THICKNESS = (1.91 MICROMETER)/ 75 MICROINCH MINIMUM;
NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.
30 GOLD SELECTIVE GOLD (Au) IN THE CONTACT AREA: THICKNESS = (0.76 MICROMETER)/ 30 MICROINCH MINIMUM;
SELECTIVE TIN (Sn) ALLOY IN THE PC TAIL AREA: THICKNESS = (1.91 MICROMETER)/ 75 MICROINCH MINIMUM;
NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.
* 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.
3. PRODUCT SPECIFICATION: PS-70567.
4. PACKAGING: SEE CHARTS
5. PIN PUSHOUT FORCE: 4 LBS. MIN. IN DIRECTION INDICATED.
6. FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE IS SHOWN.
7. PINS MUST MEET SOLDERABILITY SPEC. SMES-152.
EXCEPT VOIDS ARE PERMISSIBLE AT BANDOLIER PIN FAYING SURFACE. (APPROX. (0.64)/.025 LNG X (0.15)/.006 WD. REF.) - 2 LOCATIONS
8. NO FEATURES WHICH RISE ABOVE THE PCB SURFACE ALLOWED IN THIS AREA.
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.



SECTION J-J

CKT. SIZE	DIM. A REF.		DIM. B REF.		DIM. X REF.	
	(MM)	INCH	(MM)	INCH	(MM)	INCH
6	(12.70)	.500	(5.08)	.200	(3.18)	.125
8	(15.24)	.600	(7.62)	.300	(4.42)	.174
10	(17.78)	.700	(10.16)	.400	(4.42)	.174
12	(20.32)	.800	(12.70)	.500	(4.42)	.174
14	(22.86)	.900	(15.24)	.600	(4.42)	.174
16	(25.40)	1.000	(17.78)	.700	(4.42)	.174
18	(27.94)	1.100	(20.32)	.800	(4.42)	.174
20	(30.48)	1.200	(22.86)	.900	(4.42)	.174
22	(33.02)	1.300	(25.40)	1.000	(4.42)	.174
24	(35.56)	1.400	(27.94)	1.100	(4.42)	.174
26	(38.10)	1.500	(30.48)	1.200	(4.42)	.174
28	(40.64)	1.600	(33.02)	1.300	(4.42)	.174
30	(43.18)	1.700	(35.56)	1.400	(4.42)	.174
32	(45.72)	1.800	(38.10)	1.500	(4.42)	.174
34	(48.26)	1.900	(40.64)	1.600	(4.42)	.174
36	(50.80)	2.000	(43.18)	1.700	(4.42)	.174
38	(53.34)	2.100	(45.72)	1.800	(4.42)	.174
40	(55.88)	2.200	(48.26)	1.900	(4.42)	.174
42	(58.42)	2.300	(50.80)	2.000	(4.42)	.174
44	(60.96)	2.400	(53.34)	2.100	(4.42)	.174
46	(63.50)	2.500	(55.88)	2.200	(4.42)	.174
48	(66.04)	2.600	(58.42)	2.300	(4.42)	.174
50	(68.58)	2.700	(60.96)	2.400	(4.42)	.174
52	(71.12)	2.800	(63.50)	2.500	(4.42)	.174
54	(73.66)	2.900	(66.04)	2.600	(4.42)	.174
56	(76.20)	3.000	(68.58)	2.700	(4.42)	.174
58	(78.74)	3.100	(71.12)	2.800	(4.42)	.174
60	(81.28)	3.200	(73.66)	2.900	(4.42)	.174
62	(83.82)	3.300	(76.20)	3.000	(4.42)	.174
64	(86.36)	3.400	(78.74)	3.100	(4.42)	.174
66	(88.90)	3.500	(81.28)	3.200	(4.42)	.174
68	(91.44)	3.600	(83.82)	3.300	(4.42)	.174
70	(93.98)	3.700	(86.36)	3.400	(4.42)	.174
72	(96.52)	3.800	(88.90)	3.500	(4.42)	.174

2	G
1	H
SHT	REV

MODIFIED NOTES
EC NO: UCP2009-0336
DRAWN: KLOSTERMEIER 2008/09/23
CHKD: JEBELL 2008/09/24
APPR: FSMITH 2008/09/25

QUALITY
SYMBOLS
▽=0
▽=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
MM/IN

DRAWN BY DATE
SMR 1993/11/10

CHECKED BY DATE
SMR 1993/11/10

APPROVED BY DATE

MATERIAL NO.
SEE TABLE

SIZE
C

SCALE
4:1

DESIGN UNITS
INCH

THIRD ANGLE
PROJECTION

SALES ASSY - DUAL ROW
SHROUDED WAFER/HI TEMP
.25SQ/RND PINS .100 GRID

MOLEX INCORPORATED

DOCUMENT NO.
SDA-70568-****

SHEET NO.
1 OF 2

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	ENGINEERING NUMBER A-70568	RELEASE FOR MANUFACTURE			C REF.	E REF.	F ± (0.25) .010			CONNECTOR END PLATING	J MINIMUM LENGTH	P.C. BOARD END PLATING	L MINIMUM LENGTH	SEE PACK INFORMA. DRAWING PK-70873	J
	-0001/0034	R.F.M.			(3.30) .130	(14.48) .570	(8.00) .315			TIN	OVER- ALL	TIN	OVER- ALL	-0018	
I	-0035/-0068	R.F.M.			(3.30) .130	(14.48) .570	(8.00) .315			15 GOLD	(5.08) .200	TIN	(3.56) .140	-0018	I
	-0069/-0102	R.F.M.			(3.30) .130	(14.48) .570	(8.00) .315			30 GOLD	(5.08) .200	TIN	(3.56) .140	-0018	
	-0103/-0136														
	-0137/-0170														
H	-0171/-0204														H
	-0205/-0238														
G	CKTS	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	CKTS	G
	06	I5-47-7506	A-70568-0001	I5-47-7606	A-70568-0035	I5-47-7706	A-70568-0069		A-70568-0103		A-70568-0137		A-70568-0171	A-70568-0205	06
	08	I5-47-7508	A-70568-0002	I5-47-7608	A-70568-0036	I5-47-7708	A-70568-0070		A-70568-0104		A-70568-0138		A-70568-0172	A-70568-0206	08
	10	I5-47-7510	A-70568-0003	I5-47-7610	A-70568-0037	I5-47-7710	A-70568-0071		A-70568-0105		A-70568-0139		A-70568-0173	A-70568-0207	10
	12	I5-47-7512	A-70568-0004	I5-47-7612	A-70568-0038	I5-47-7712	A-70568-0072		A-70568-0106		A-70568-0140		A-70568-0174	A-70568-0208	12
	14	I5-47-7514	A-70568-0005	I5-47-7614	A-70568-0039	I5-47-7714	A-70568-0073		A-70568-0107		A-70568-0141		A-70568-0175	A-70568-0209	14
	16	I5-47-7516	A-70568-0006	I5-47-7616	A-70568-0040	I5-47-7716	A-70568-0074		A-70568-0108		A-70568-0142		A-70568-0176	A-70568-0210	16
	18	I5-47-7518	A-70568-0007	I5-47-7618	A-70568-0041	I5-47-7718	A-70568-0075		A-70568-0109		A-70568-0143		A-70568-0177	A-70568-0211	18
	20	I5-47-7520	A-70568-0008	I5-47-7620	A-70568-0042	I5-47-7720	A-70568-0076		A-70568-0110		A-70568-0144		A-70568-0178	A-70568-0212	20
F	22	I5-47-7522	A-70568-0009	I5-47-7622	A-70568-0043	I5-47-7722	A-70568-0077		A-70568-0111		A-70568-0145		A-70568-0179	A-70568-0213	22
	24	I5-47-7524	A-70568-0010	I5-47-7624	A-70568-0044	I5-47-7724	A-70568-0078		A-70568-0112		A-70568-0146		A-70568-0180	A-70568-0214	24
	26	I5-47-7526	A-70568-0011	I5-47-7626	A-70568-0045	I5-47-7726	A-70568-0079		A-70568-0113		A-70568-0147		A-70568-0181	A-70568-0215	26
	28	I5-47-7528	A-70568-0012	I5-47-7628	A-70568-0046	I5-47-7728	A-70568-0080		A-70568-0114		A-70568-0148		A-70568-0182	A-70568-0216	28
	30	I5-47-7530	A-70568-0013	I5-47-7630	A-70568-0047	I5-47-7730	A-70568-0081		A-70568-0115		A-70568-0149		A-70568-0183	A-70568-0217	30
	32	I5-47-7532	A-70568-0014	I5-47-7632	A-70568-0048	I5-47-7732	A-70568-0082		A-70568-0116		A-70568-0150		A-70568-0184	A-70568-0218	32
	34	I5-47-7534	A-70568-0015	I5-47-7634	A-70568-0049	I5-47-7734	A-70568-0083		A-70568-0117		A-70568-0151		A-70568-0185	A-70568-0219	34
E	36	I5-47-7536	A-70568-0016	I5-47-7636	A-70568-0050	I5-47-7736	A-70568-0084		A-70568-0118		A-70568-0152		A-70568-0186	A-70568-0220	36
	38	I5-47-7538	A-70568-0017	I5-47-7638	A-70568-0051	I5-47-7738	A-70568-0085		A-70568-0119		A-70568-0153		A-70568-0187	A-70568-0221	38
	40	I5-47-7540	A-70568-0018	I5-47-7640	A-70568-0052	I5-47-7740	A-70568-0086		A-70568-0120		A-70568-0154		A-70568-0188	A-70568-0222	40
	42	I5-47-7542	A-70568-0019	I5-47-7642	A-70568-0053	I5-47-7742	A-70568-0087		A-70568-0121		A-70568-0155		A-70568-0189	A-70568-0223	42
	44	I5-47-7544	A-70568-0020	I5-47-7644	A-70568-0054	I5-47-7744	A-70568-0088		A-70568-0122		A-70568-0156		A-70568-0190	A-70568-0224	44
	46	I5-47-7546	A-70568-0021	I5-47-7646	A-70568-0055	I5-47-7746	A-70568-0089		A-70568-0123		A-70568-0157		A-70568-0191	A-70568-0225	46
	48	I5-47-7548	A-70568-0022	I5-47-7648	A-70568-0056	I5-47-7748	A-70568-0090		A-70568-0124		A-70568-0158		A-70568-0192	A-70568-0226	48
D	50	I5-47-7550	A-70568-0023	I5-47-7650	A-70568-0057	I5-47-7750	A-70568-0091		A-70568-0125		A-70568-0159		A-70568-0193	A-70568-0227	50
	52	I5-47-7552	A-70568-0024	I5-47-7652	A-70568-0058	I5-47-7752	A-70568-0092		A-70568-0126		A-70568-0160		A-70568-0194	A-70568-0228	52
	54	I5-47-7554	A-70568-0025	I5-47-7654	A-70568-0059	I5-47-7754	A-70568-0093		A-70568-0127		A-70568-0161		A-70568-0195	A-70568-0229	54
	56	I5-47-7556	A-70568-0026	I5-47-7656	A-70568-0060	I5-47-7756	A-70568-0094		A-70568-0128		A-70568-0162		A-70568-0196	A-70568-0230	56
	58	I5-47-7558	A-70568-0027	I5-47-7658	A-70568-0061	I5-47-7758	A-70568-0095		A-70568-0129		A-70568-0163		A-70568-0197	A-70568-0231	58
	60	I5-47-7560	A-70568-0028	I5-47-7660	A-70568-0062	I5-47-7760	A-70568-0096		A-70568-0130		A-70568-0164		A-70568-0198	A-70568-0232	60
	62	I5-47-7562	A-70568-0029	I5-47-7662	A-70568-0063	I5-47-7762	A-70568-0097		A-70568-0131		A-70568-0165		A-70568-0199	A-70568-0233	62
	64	I5-47-7564	A-70568-0030	I5-47-7664	A-70568-0064	I5-47-7764	A-70568-0098		A-70568-0132		A-70568-0166		A-70568-0200	A-70568-0234	64
C	66	I5-47-7566	A-70568-0031	I5-47-7666	A-70568-0065	I5-47-7766	A-70568-0099		A-70568-0133		A-70568-0167		A-70568-0201	A-70568-0235	66
	68	I5-47-7568	A-70568-0032	I5-47-7668	A-70568-0066	I5-47-7768	A-70568-0100		A-70568-0134		A-70568-0168		A-70568-0202	A-70568-0236	68
	70	I5-47-7570	A-70568-0033	I5-47-7670	A-70568-0067	I5-47-7770	A-70568-0101		A-70568-0135		A-70568-0169		A-70568-0203	A-70568-0237	70
	72	I5-47-7572	A-70568-0034	I5-47-7672	A-70568-0068	I5-47-7772	A-70568-0102		A-70568-0136		A-70568-0170		A-70568-0204	A-70568-0238	72
B															B
A															A
MODIFY PLATE EC NO: UCP2006-2806 2006/05/31 DRAWN BY: BARRA CHKD: JORGAN 2006/06/06 APPR: SMILLER 2006/06/07 QUALITY SYMBOLS ▽=0 ▽=0 DESCRIPTION REV 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 MM/IN DRAWN BY DATE SMR 1993/11/10 CHECKED BY DATE SMR 1993/11/10 APPROVED BY DATE MATERIAL NO. DOCUMENT NO. SHEET NO. SEE TABLE SDA-70568-**** 2 OF 2 SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION SALES ASSY-DUAL ROW SHROUDED WAFER/HIGH TEMP .025SQ/RND PIN .100 GRID MOLEX INCORPORATED THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
tb_frame_C_P_ME_T Rev. D 2004/04/02	12	11	10	9	8	7	6	5	4	3	2	1			