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Part Number: [0015477506](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Through Hole, Dual Row, Vertical, High Temperature, Shrouded, with Peg, 6 Circuits, Tin (Sn) Plating

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

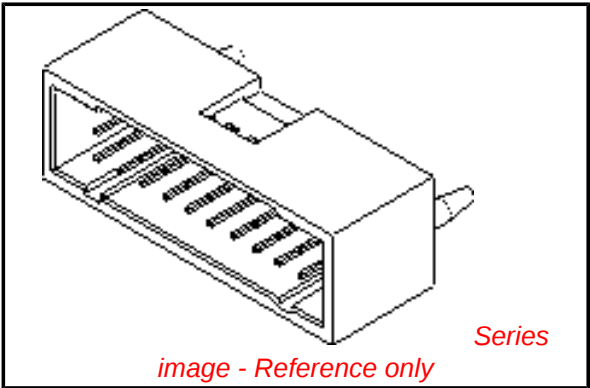
General

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

Physical

Breakaway	No
Circuits (Loaded)	6
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	Tin-Lead
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)	150
Plating min: Mating (µm)	3.80
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

Electrical



EU RoHS

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

China RoHS



Not Reviewed

**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](#)

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-70568-0001
Reference - Drawing Numbers	
Product Specification	PS-70567
Sales Drawing	SDA-70568-****

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	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		P.C. BOARD END PLATING		SEE PACK INFORMA. DRAWING PK-70873	J											
	TYPE											J MINIMUM LENGTH	TYPE		L MINIMUM LENGTH												
	-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									
	-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																										
	-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	EDP NUMBER	ENG NUMBER	CKTS	G										
	06	IS-47-7506	A-70568-0001	IS-47-7606	A-70568-0035	IS-47-7706	A-70568-0069		A-70568-0103		A-70568-0137		A-70568-0171		A-70568-0205	06											
08	IS-47-7508	A-70568-0002	IS-47-7608	A-70568-0036	IS-47-7708	A-70568-0070		A-70568-0104		A-70568-0138		A-70568-0172		A-70568-0206	08												
10	IS-47-7510	A-70568-0003	IS-47-7610	A-70568-0037	IS-47-7710	A-70568-0071		A-70568-0105		A-70568-0139		A-70568-0173		A-70568-0207	10												
12	IS-47-7512	A-70568-0004	IS-47-7612	A-70568-0038	IS-47-7712	A-70568-0072		A-70568-0106		A-70568-0140		A-70568-0174		A-70568-0208	12												
14	IS-47-7514	A-70568-0005	IS-47-7614	A-70568-0039	IS-47-7714	A-70568-0073		A-70568-0107		A-70568-0141		A-70568-0175		A-70568-0209	14												
16	IS-47-7516	A-70568-0006	IS-47-7616	A-70568-0040	IS-47-7716	A-70568-0074		A-70568-0108		A-70568-0142		A-70568-0176		A-70568-0210	16												
18	IS-47-7518	A-70568-0007	IS-47-7618	A-70568-0041	IS-47-7718	A-70568-0075		A-70568-0109		A-70568-0143		A-70568-0177		A-70568-0211	18												
20	IS-47-7520	A-70568-0008	IS-47-7620	A-70568-0042	IS-47-7720	A-70568-0076		A-70568-0110		A-70568-0144		A-70568-0178		A-70568-0212	20												
22	IS-47-7522	A-70568-0009	IS-47-7622	A-70568-0043	IS-47-7722	A-70568-0077		A-70568-0111		A-70568-0145		A-70568-0179		A-70568-0213	22												
F	24	IS-47-7524	A-70568-0010	IS-47-7624	A-70568-0044	IS-47-7724	A-70568-0078		A-70568-0112		A-70568-0146		A-70568-0180		A-70568-0214	24	F										
	26	IS-47-7526	A-70568-0011	IS-47-7626	A-70568-0045	IS-47-7726	A-70568-0079		A-70568-0113		A-70568-0147		A-70568-0181		A-70568-0215	26											
28	IS-47-7528	A-70568-0012	IS-47-7628	A-70568-0046	IS-47-7728	A-70568-0080		A-70568-0114		A-70568-0148		A-70568-0182		A-70568-0216	28												
30	IS-47-7530	A-70568-0013	IS-47-7630	A-70568-0047	IS-47-7730	A-70568-0081		A-70568-0115		A-70568-0149		A-70568-0183		A-70568-0217	30												
32	IS-47-7532	A-70568-0014	IS-47-7632	A-70568-0048	IS-47-7732	A-70568-0082		A-70568-0116		A-70568-0150		A-70568-0184		A-70568-0218	32												
34	IS-47-7534	A-70568-0015	IS-47-7634	A-70568-0049	IS-47-7734	A-70568-0083		A-70568-0117		A-70568-0151		A-70568-0185		A-70568-0219	34												
36	IS-47-7536	A-70568-0016	IS-47-7636	A-70568-0050	IS-47-7736	A-70568-0084		A-70568-0118		A-70568-0152		A-70568-0186		A-70568-0220	36												
E	38	IS-47-7538	A-70568-0017	IS-47-7638	A-70568-0051	IS-47-7738	A-70568-0085		A-70568-0119		A-70568-0153		A-70568-0187		A-70568-0221	38	E										
	40	IS-47-7540	A-70568-0018	IS-47-7640	A-70568-0052	IS-47-7740	A-70568-0086		A-70568-0120		A-70568-0154		A-70568-0188		A-70568-0222	40											
42	IS-47-7542	A-70568-0019	IS-47-7642	A-70568-0053	IS-47-7742	A-70568-0087		A-70568-0121		A-70568-0155		A-70568-0189		A-70568-0223	42												
44	IS-47-7544	A-70568-0020	IS-47-7644	A-70568-0054	IS-47-7744	A-70568-0088		A-70568-0122		A-70568-0156		A-70568-0190		A-70568-0224	44												
46	IS-47-7546	A-70568-0021	IS-47-7646	A-70568-0055	IS-47-7746	A-70568-0089		A-70568-0123		A-70568-0157		A-70568-0191		A-70568-0225	46												
48	IS-47-7548	A-70568-0022	IS-47-7648	A-70568-0056	IS-47-7748	A-70568-0090		A-70568-0124		A-70568-0158		A-70568-0192		A-70568-0226	48												
D	50	IS-47-7550	A-70568-0023	IS-47-7650	A-70568-0057	IS-47-7750	A-70568-0091		A-70568-0125		A-70568-0159		A-70568-0193		A-70568-0227	50	D										
	52	IS-47-7552	A-70568-0024	IS-47-7652	A-70568-0058	IS-47-7752	A-70568-0092		A-70568-0126		A-70568-0160		A-70568-0194		A-70568-0228	52											
54	IS-47-7554	A-70568-0025	IS-47-7654	A-70568-0059	IS-47-7754	A-70568-0093		A-70568-0127		A-70568-0161		A-70568-0195		A-70568-0229	54												
56	IS-47-7556	A-70568-0026	IS-47-7656	A-70568-0060	IS-47-7756	A-70568-0094		A-70568-0128		A-70568-0162		A-70568-0196		A-70568-0230	56												
58	IS-47-7558	A-70568-0027	IS-47-7658	A-70568-0061	IS-47-7758	A-70568-0095		A-70568-0129		A-70568-0163		A-70568-0197		A-70568-0231	58												
60	IS-47-7560	A-70568-0028	IS-47-7660	A-70568-0062	IS-47-7760	A-70568-0096		A-70568-0130		A-70568-0164		A-70568-0198		A-70568-0232	60												
62	IS-47-7562	A-70568-0029	IS-47-7662	A-70568-0063	IS-47-7762	A-70568-0097		A-70568-0131		A-70568-0165		A-70568-0199		A-70568-0233	62												
64	IS-47-7564	A-70568-0030	IS-47-7664	A-70568-0064	IS-47-7764	A-70568-0098		A-70568-0132		A-70568-0166		A-70568-0200		A-70568-0234	64												
C	66	IS-47-7566	A-70568-0031	IS-47-7666	A-70568-0065	IS-47-7766	A-70568-0099		A-70568-0133		A-70568-0167		A-70568-0201		A-70568-0235	66	C										
	68	IS-47-7568	A-70568-0032	IS-47-7668	A-70568-0066	IS-47-7768	A-70568-0100		A-70568-0134		A-70568-0168		A-70568-0202		A-70568-0236	68											
70	IS-47-7570	A-70568-0033	IS-47-7670	A-70568-0067	IS-47-7770	A-70568-0101		A-70568-0135		A-70568-0169		A-70568-0203		A-70568-0237	70												
72	IS-47-7572	A-70568-0034	IS-47-7672	A-70568-0068	IS-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 APPR: SMILLER 2006/06/07	DESCRIPTION			QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION									
												mm	INCH	DRAWN BY SMR	DATE 1993/11/10	TITLE SALES ASSY-DUAL ROW SHROUDED WAFER/HIGH TEMP .025SQ/RND PIN .100 GRID											
											ANGULAR ±1/2°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	4 PLACES ± --- ± ---		3 PLACES ± --- ± .005		CHECKED BY SMR		DATE 1993/11/10	APPROVED BY		MATERIAL NO. SEE TABLE	DOCUMENT NO. SDA-70568-****	SHEET NO. 2 OF 2			
													2 PLACES ± 0.13 ± .01		1 PLACE ± 0.25 ± ---												
											SIZE C	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									