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Part Number: [0015477550](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Through Hole, Dual Row, Vertical, High Temperature, Shrouded, with Peg, 50 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

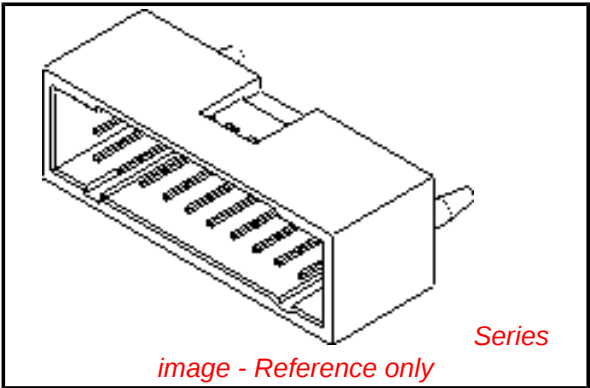
General

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

Physical

Breakaway	No
Circuits (Loaded)	50
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**

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.

China RoHS



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-70568-0023
Reference - Drawing Numbers	
Product Specification	PS-70567
Sales Drawing	SDA-70568-****

This document was generated on 04/08/2010

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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																																													
										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																																													
	-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																																																										
	-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																																													
	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																																												
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	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																																												
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	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																																												
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	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																																												
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	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																																												
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MODIFY PLATE EC NO: UCP2006-2806 G 2006/05/31 DRWN:MS BARRA CHKD:MORGAN APPR:SMILLER 2006/06/07 DESCRIPTION REV QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>±.005</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>±.01</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr></table> ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS <table><tr><td colspan="2">DIMENSION STYLE MM/IN</td><td>SCALE ---</td><td>DESIGN UNITS INCH</td><td>THIRD ANGLE PROJECTION</td></tr><tr><td>DRAWN BY SMR</td><td>DATE 1993/11/10</td><td colspan="3">TITLE SALES ASSY-DUAL ROW SHROUDED WAFER/HIGH TEMP .025SQ/RND PIN .100 GRID</td></tr><tr><td>CHECKED BY SMR</td><td>DATE 1993/11/10</td><td colspan="3">MOLEX INCORPORATED</td></tr><tr><td colspan="2">APPROVED BY DATE</td><td colspan="3">MATERIAL NO.</td></tr><tr><td colspan="2">SIZE C</td><td colspan="2">SEE TABLE</td><td>DOCUMENT NO. SDA-70568-****</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td>SHEET NO. 2 OF 2</td></tr></table>																mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	±.005	2 PLACES	± 0.13	±.01	1 PLACE	± 0.25	± ---	DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	DRAWN BY SMR	DATE 1993/11/10	TITLE SALES ASSY-DUAL ROW SHROUDED WAFER/HIGH TEMP .025SQ/RND PIN .100 GRID			CHECKED BY SMR	DATE 1993/11/10	MOLEX INCORPORATED			APPROVED BY DATE		MATERIAL NO.			SIZE C		SEE TABLE		DOCUMENT NO. SDA-70568-****					SHEET NO. 2 OF 2
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