

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0015477626](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Through Hole, Dual Row, Vertical, High Temperature, Shrouded, with Peg, 26 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-70567 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

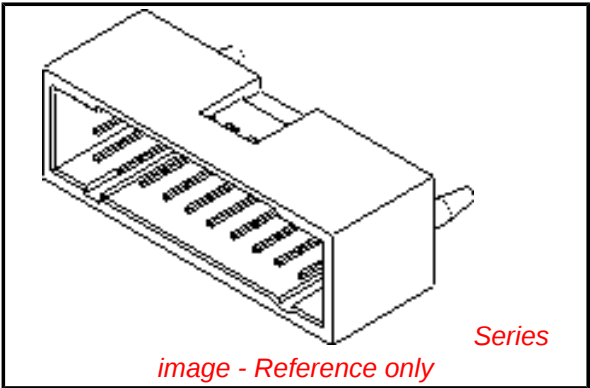
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [70568](#)
Application Wire-to-Board
Product Name C-Grid®

Physical

Breakaway No
Circuits (Loaded) 26
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 - Plating Termination Tin
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) 0.375
Plating min: Termination (µin) 75
Plating min: Termination (µm) 1.875
Polarized to Mating Part Yes
Polarized to PCB Yes
Shrouded Fully
Stackable No
Surface Mount Compatible (SMC) No



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

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.

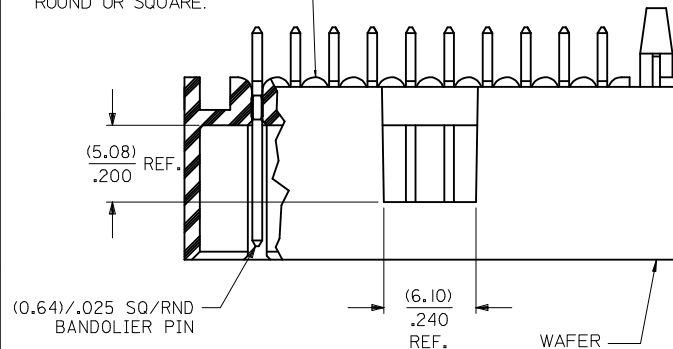
Search Parts in this Series
[70568Series](#)

Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole
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-70568-0045
Reference - Drawing Numbers	
Product Specification	PS-70567
Sales Drawing	SDA-70568-****

This document was generated on 03/31/2010

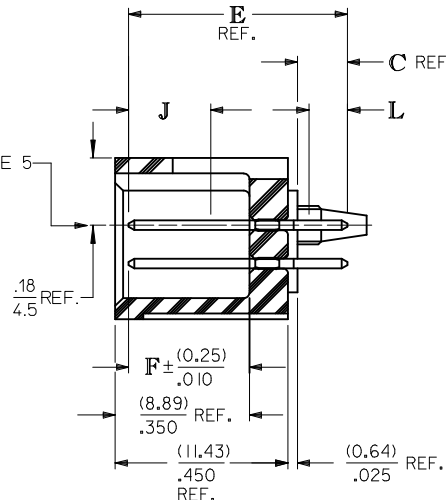
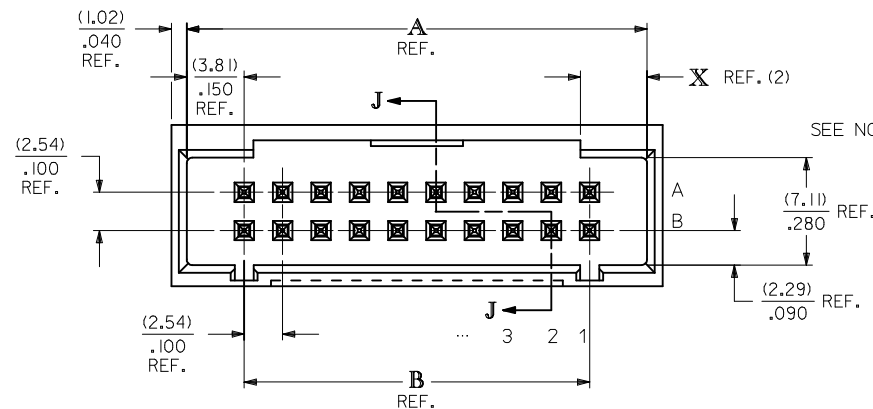
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STAND OFFS CAN BE EITHER
ROUND OR SQUARE.



NOTES:

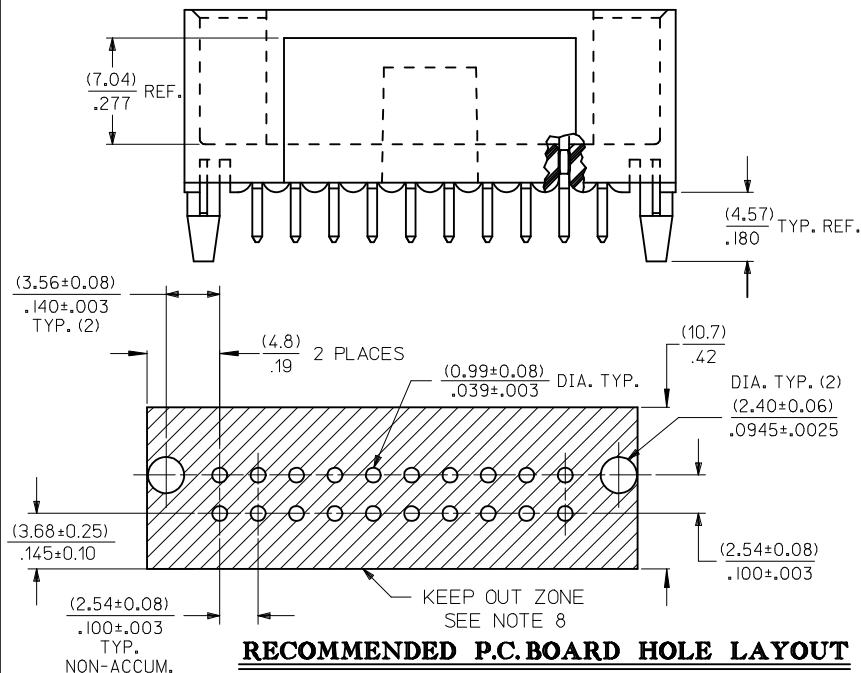
1. MATERIAL: WAFER - GLASS FILLED LIQUID CRYSTAL POLYMER, UL 94V-0, COLOR: BLACK, PIN: COPPER ALLOY.
2. PLATING: TIN
TIN(Sn) ALLOY OVER ENTIRE PIN: THICKNESS = (3.81 MICROMETER)/ 150 MICROINCH MINIMUM;
NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.
15 GOLD SELECTIVE GOLD (Au) IN THE CONTACT AREA: THICKNESS = (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



RECOMMENDED P.C. BOARD HOLE LAYOUT

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	± .005	± .0005
3 PLACES	± .010	± .0010
2 PLACES	± .015	± .0015
1 PLACE	± .025	± .0025

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

DRAWN BY
SMR

CHECKED BY
SMR

APPROVED BY

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		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																									
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	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																								
F	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																								
	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																								
	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																								
D	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																								
	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																								
C	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																																							
A																																							
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 DIMENSION STYLE MM/IN <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>SMR</td><td>1993/11/10</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>SMR</td><td>1993/11/10</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr></table> MATERIAL NO. DOCUMENT NO. SHEET NO. SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION TITLE SALES ASSY-DUAL ROW SHROUDED WAFER/HIGH TEMP .025SQ/RND PIN .100 GRID MOLEX INCORPORATED SDA-70568-**** THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	±.005	2 PLACES	± 0.13	±.01	1 PLACE	± 0.25	± ---	DRAWN BY	DATE	SMR	1993/11/10	CHECKED BY	DATE	SMR	1993/11/10	APPROVED BY	DATE
	mm	INCH																																					
4 PLACES	± ---	± ---																																					
3 PLACES	± ---	±.005																																					
2 PLACES	± 0.13	±.01																																					
1 PLACE	± 0.25	± ---																																					
DRAWN BY	DATE																																						
SMR	1993/11/10																																						
CHECKED BY	DATE																																						
SMR	1993/11/10																																						
APPROVED BY	DATE																																						
tb_frame_C_P_ME_T Rev. D 2004/04/02	12	11	10	9	8	7	6	5	4	3	2	1																											