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Part Number: [0705750051](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Header, Single Row, Right Angle, .180" Pocket, Shrouded, with Press-fit Plastic Peg, 17 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Documents:	
3D Model	Product Specification PS-70400 (PDF)
Packaging Specification (PDF)	Product Specification PS-70541 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	70575
Application	Wire-to-Board
Overview	cgrid_sl_products
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	17
Circuits (maximum)	17
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 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)	0.38
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.90
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

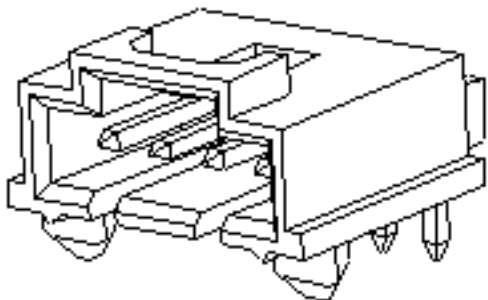


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

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

[70575Series](#)

Mates With

[70004](#)

Electrical

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

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)
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Material Info

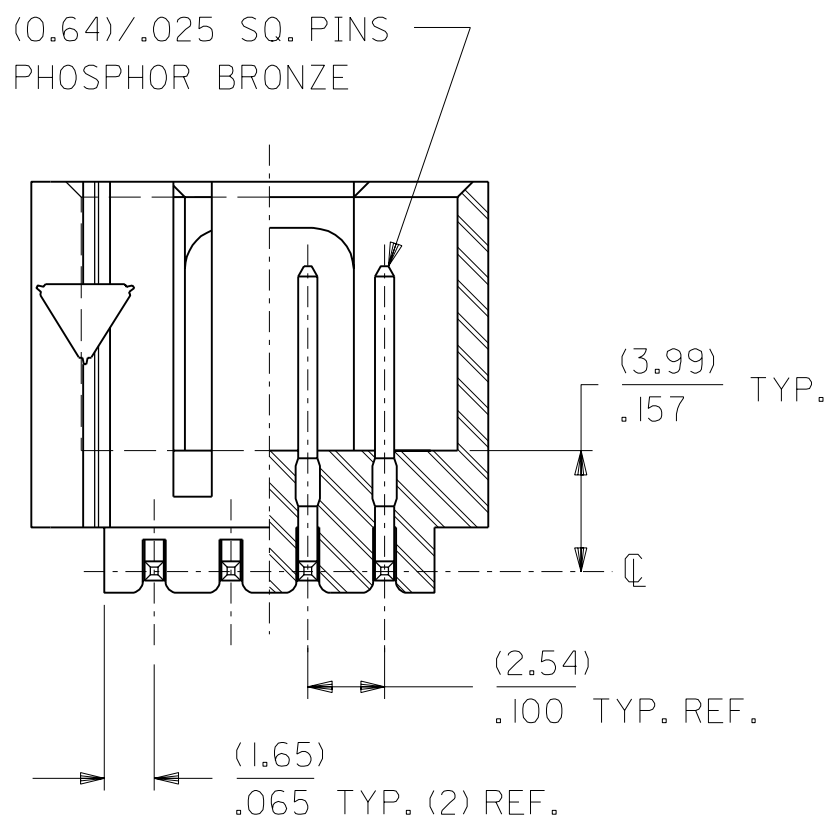
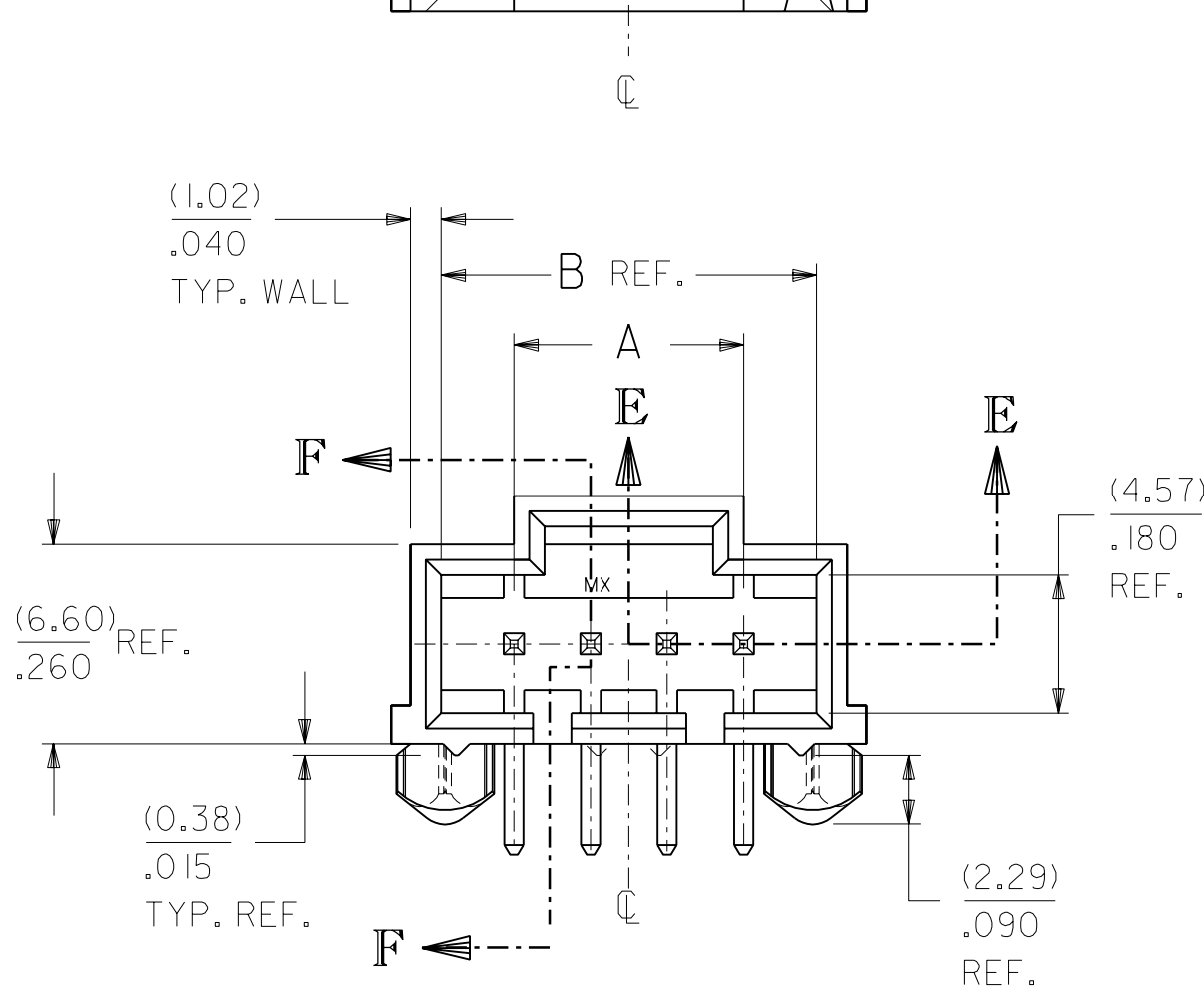
Reference - Drawing Numbers

Packaging Specification	PK-70873-0017
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70575-****

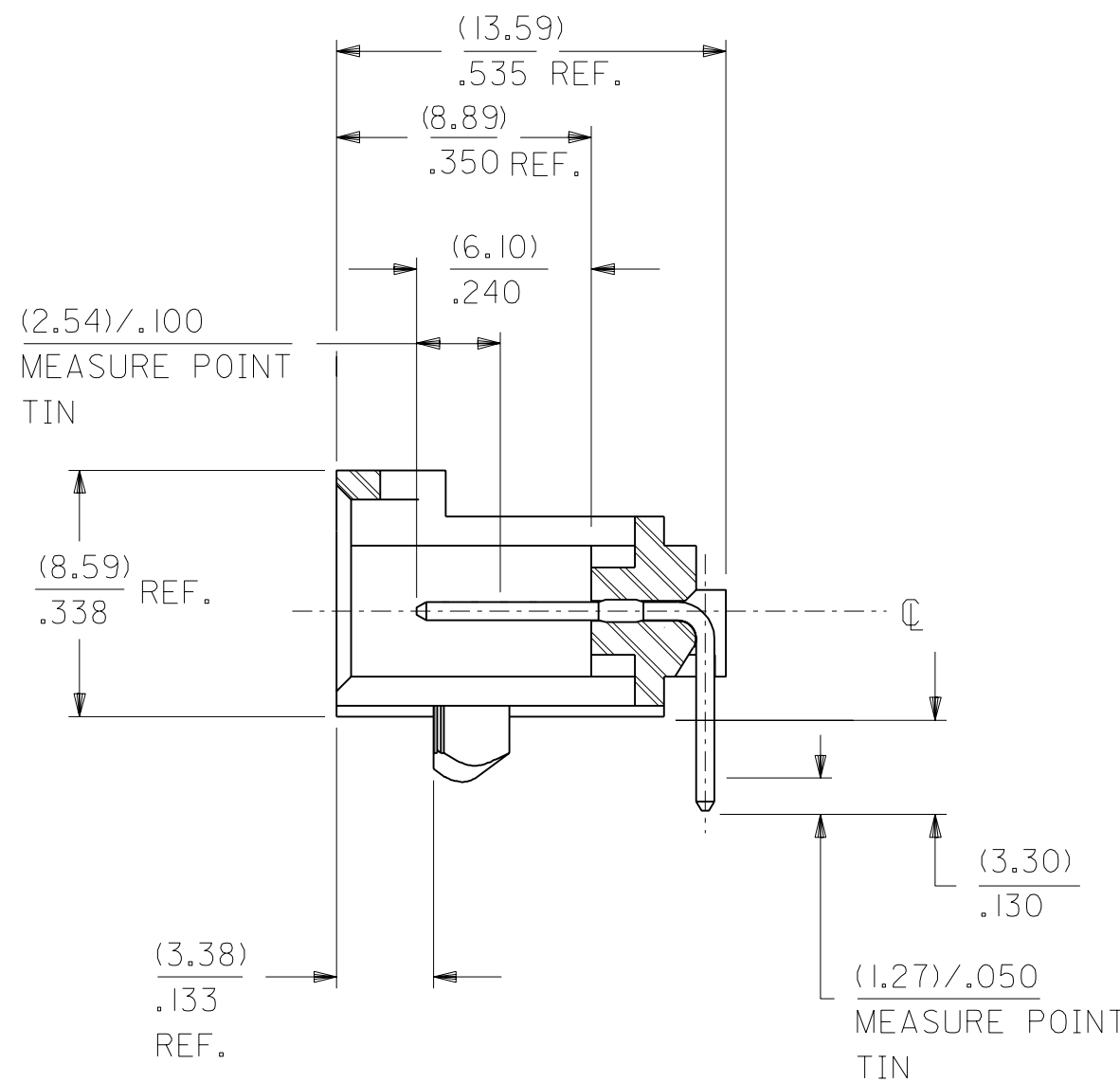
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OPTION "E"



SECTION E-E



SECTION F-F

NOTES

- 1) MATERIAL: G.F. THERMOPLASTIC, 94V-0, COLOR-BLACK.
- 2) HEADER TO BE USED WITH NO. 70004 INTERIM CLIP, VERSION "A".
- 3) REFER TO PRODUCT SPEC: P.S.-70541.
- 4) STANDARD PACKAGING PER PK-70873-0017. OPTIONAL PACKAGING MAY BE AVAILABLE. (SEE DRAWING PK-70575-**** FOR ORDER NUMBERS)

- TIN - .000150 MINIMUM TIN PLATE OVER .000050 MINIMUM NICKEL PLATE.
- 15 GOLD - .000015 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM NICKEL PLATE OVERALL.
- 30 GOLD - .000030 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM NICKEL PLATE OVERALL.

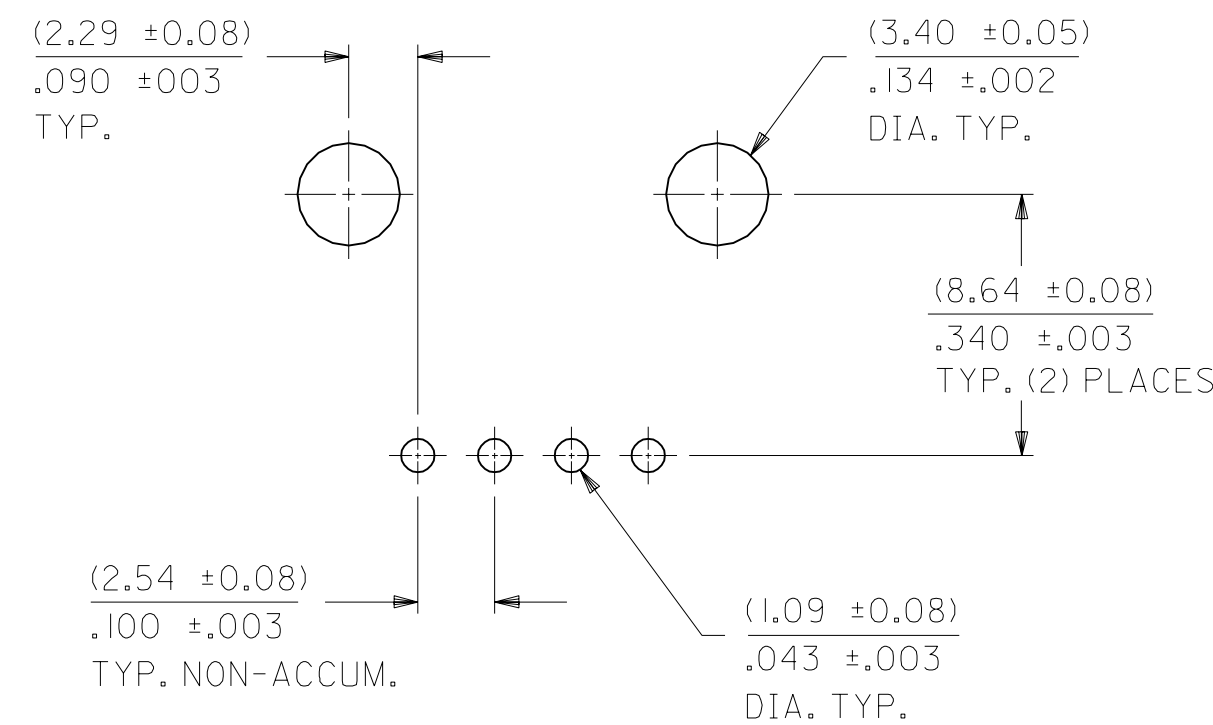
(SEE SH.2 FOR OPTIONAL PLATINGS)

RECOMMENDED P.C. BOARD LAYOUT

(FOR USE WITH (1.57) .062 THICK BOARD)

*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.

PLATING PER E.S.-88-***



CKT. SIZE	"A"		"B" REF.	
	MM	IN.	MM	IN.
4	7.62	.300	12.45	.490
5	10.16	.400	14.99	.590
6	12.70	.500	17.53	.690
7	15.24	.600	20.07	.790
8	17.78	.700	22.61	.890
9	20.32	.800	25.15	.990
10	22.86	.900	27.69	1.090
11	25.40	1.000	30.23	1.190
12	27.94	1.100	32.77	1.290
13	30.48	1.200	35.31	1.390
14	33.02	1.300	37.85	1.490
15	35.56	1.400	40.39	1.590
16	38.10	1.500	42.93	1.690
17	40.64	1.600	45.47	1.790
18	43.18	1.700	48.01	1.890
19	45.72	1.800	50.55	1.990
20	48.26	1.900	53.09	2.090
21	50.80	2.000	55.63	2.190
22	53.34	2.100	58.17	2.290
23	55.88	2.200	60.71	2.390
24	58.42	2.300	63.25	2.490
25	60.96	2.400	65.79	2.590

LTR.		REVISIONS		LTR.		REVISIONS		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM	
				B		LEAD FREE UCP2004-1769 RWHITE 04/03/31		INCH METRIC 3 PLACE ± .010 --- 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35		TITLE SALES ASSEMBLY HEADER - RIGHT ANGLE .100 CENTERS W/P.C.B. PEGS	
				A		RELEASED U30638 5/13/93 MGB		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		moLEX MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.	
								DRWG. BY: AAB CHK'D BY: AAB		SHEET NO. DATE 1 OF 2 05/13/93	
								APP'D BY: WAZ SCALE 4 : 1		PART NO. DRWG. NO. SEE CHART SDA-70575-****	
								FILE NAME DIV. SIZE S70575X1 DGN THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. DA C			

