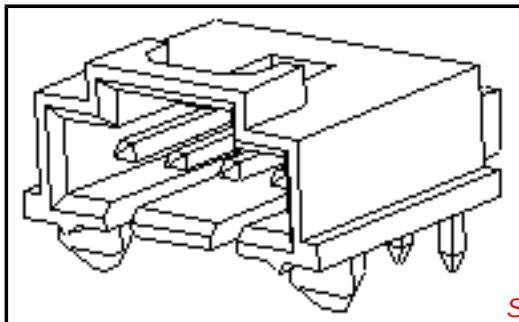
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0705750017
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, 18 Circuits, Tin (Sn) Plating



Series image - Reference only

Documents:

- 3D Model
- Packaging Specification (PDF)
- Drawing (PDF)
- Product Specification PS-70400 (PDF)
- Product Specification PS-70541 (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)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
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)	150
Plating min: Mating (µm)	3.75
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.75
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C

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

Termination Interface: Style	Through Hole

Electrical

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

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)

Material Info

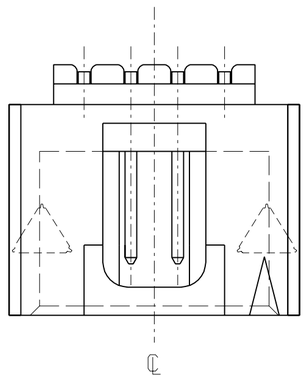
Reference - Drawing Numbers

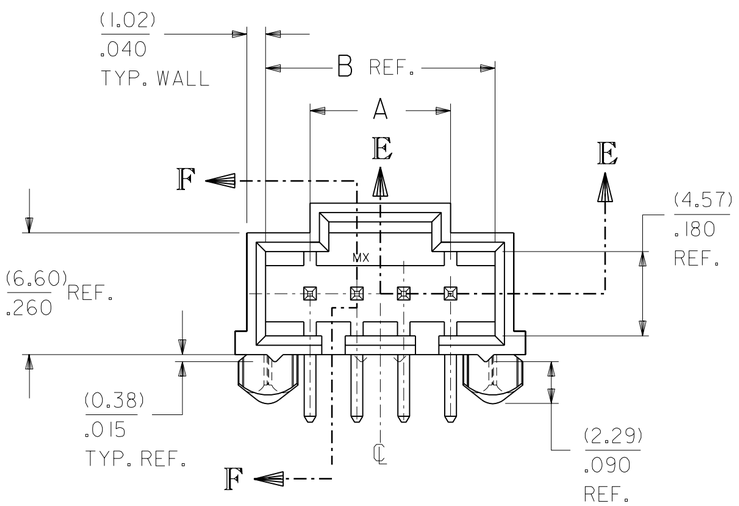
Packaging Specification	PK-70873-0017
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70575-****

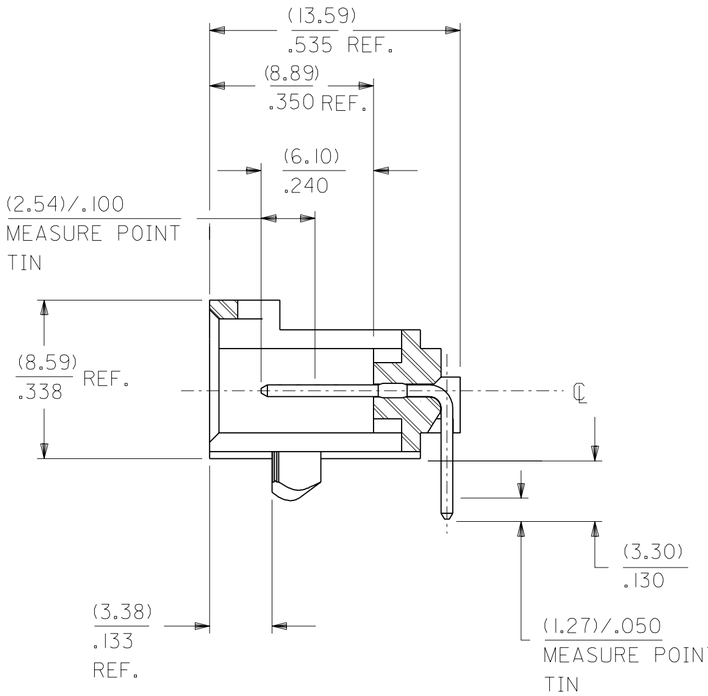
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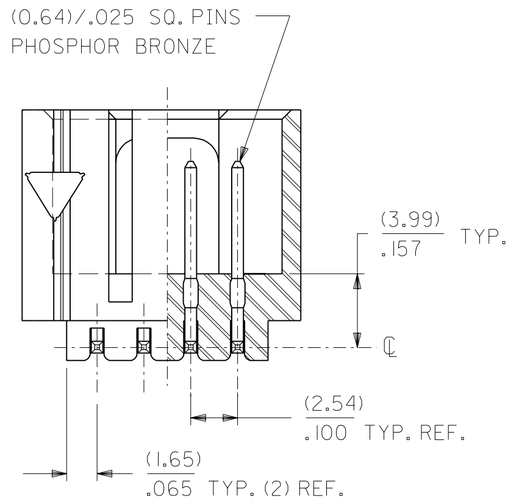
OPTION "E"



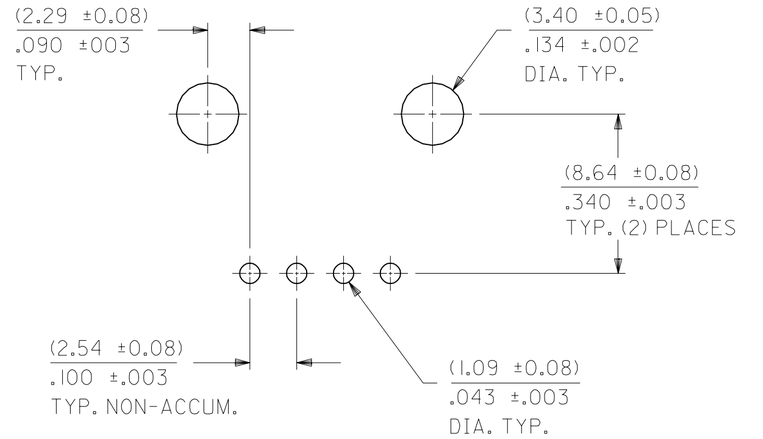




SECTION F-F



SECTION E-E



RECOMMENDED P.C. BOARD LAYOUT

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

CKT. SIZE	"A" MM	"A" IN.	"B" REF. MM	"B" REF. 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

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)

*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-***

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)

MFG.	SH.	REV.
	2	B
	1	B

LTR.	REVISIONS
B	LEAD FREE UCP2004-1769 RWHITE 04/03/31
A	RELEASED U30638 5/13/93 MGB

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .010	---
2 PLACE	± .014	± 0.25
1 PLACE	---	± 0.35

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY AAB | CHK'D. BY AAB | APP'D. BY WAZ | SCALE 4 : 1

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: SALES ASSEMBLY HEADER - RIGHT ANGLE .100 CENTERS W/P.C.B. PEGS

MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A. | SHEET NO. 1 OF 2 | DATE 05/13/93

PART NO. SEE CHART | DRWG. NO. SDA-70575-****

FILE NAME S70575X1 DGN

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DIV. DA | SIZE C

ENGINEERING NUMBER A-70575-	MANUFACTURE RELEASE STATUS	CONNECTOR END PLATING TYPE	CONNECTOR END PLATING H MEAS.	P.C. BOARD END PLATING TYPE	P.C. BOARD END PLATING K MEAS.
-0003-0024	R.F.M.	TIN	(2.54) .100	TIN	(1.27) .050
-0038-0059	R.F.M.	15 GOLD	(2.54) .100	TIN	(1.27) .050
-0073-0094	R.F.M.	30 GOLD	(2.54) .100	TIN	(1.27) .050
-0108-0129					
-0143-0164	R.F.M.	50 GOLD	(2.54) .100	TIN	(1.27) .050

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
02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.					02
03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.					03
04	705-75-0003	A-70575-0003	705-75-0038	A-70575-0038	705-75-0073	A-70575-0073		A-70575-0108	705-75-0143	A-70575-0143					04
05	705-75-0004	A-70575-0004	705-75-0039	A-70575-0039	705-75-0074	A-70575-0074		A-70575-0109	705-75-0144	A-70575-0144					05
06	705-75-0005	A-70575-0005	705-75-0040	A-70575-0040	705-75-0075	A-70575-0075		A-70575-0110	705-75-0145	A-70575-0145					06
07	705-75-0006	A-70575-0006	705-75-0041	A-70575-0041	705-75-0076	A-70575-0076		A-70575-0111	705-75-0146	A-70575-0146					07
08	705-75-0007	A-70575-0007	705-75-0042	A-70575-0042	705-75-0077	A-70575-0077		A-70575-0112	705-75-0147	A-70575-0147					08
09	705-75-0008	A-70575-0008	705-75-0043	A-70575-0043	705-75-0078	A-70575-0078		A-70575-0113	705-75-0148	A-70575-0148					09
10	705-75-0009	A-70575-0009	705-75-0044	A-70575-0044	705-75-0079	A-70575-0079		A-70575-0114	705-75-0149	A-70575-0149					10
11	705-75-0010	A-70575-0010	705-75-0045	A-70575-0045	705-75-0080	A-70575-0080		A-70575-0115	705-75-0150	A-70575-0150					11
12	705-75-0011	A-70575-0011	705-75-0046	A-70575-0046	705-75-0081	A-70575-0081		A-70575-0116	705-75-0151	A-70575-0151					12
13	705-75-0012	A-70575-0012	705-75-0047	A-70575-0047	705-75-0082	A-70575-0082		A-70575-0117	705-75-0152	A-70575-0152					13
14	705-75-0013	A-70575-0013	705-75-0048	A-70575-0048	705-75-0083	A-70575-0083		A-70575-0118	705-75-0153	A-70575-0153					14
15	705-75-0014	A-70575-0014	705-75-0049	A-70575-0049	705-75-0084	A-70575-0084		A-70575-0119	705-75-0154	A-70575-0154					15
16	705-75-0015	A-70575-0015	705-75-0050	A-70575-0050	705-75-0085	A-70575-0085		A-70575-0120	705-75-0155	A-70575-0155					16
17	705-75-0016	A-70575-0016	705-75-0051	A-70575-0051	705-75-0086	A-70575-0086		A-70575-0121	705-75-0156	A-70575-0156					17
18	705-75-0017	A-70575-0017	705-75-0052	A-70575-0052	705-75-0087	A-70575-0087		A-70575-0122	705-75-0157	A-70575-0157					18
19	705-75-0018	A-70575-0018	705-75-0053	A-70575-0053	705-75-0088	A-70575-0088		A-70575-0123	705-75-0158	A-70575-0158					19
20	705-75-0019	A-70575-0019	705-75-0054	A-70575-0054	705-75-0089	A-70575-0089		A-70575-0124	705-75-0159	A-70575-0159					20
21	705-75-0020	A-70575-0020	705-75-0055	A-70575-0055	705-75-0090	A-70575-0090		A-70575-0125	705-75-0160	A-70575-0160					21
22	705-75-0021	A-70575-0021	705-75-0056	A-70575-0056	705-75-0091	A-70575-0091		A-70575-0126	705-75-0161	A-70575-0161					22
23	705-75-0022	A-70575-0022	705-75-0057	A-70575-0057	705-75-0092	A-70575-0092		A-70575-0127	705-75-0162	A-70575-0162					23
24	705-75-0023	A-70575-0023	705-75-0058	A-70575-0058	705-75-0093	A-70575-0093		A-70575-0128	705-75-0163	A-70575-0163					24
25	705-75-0024	A-70575-0024	705-75-0059	A-70575-0059	705-75-0094	A-70575-0094		A-70575-0129	705-75-0164	A-70575-0164					25

OPTIONAL PLATINGS

50 GOLD - .000050 MIN. GOLD IN SELECT AREA
.000075 MIN. TIN IN SELECT AREA
.000050 MIN. NICKEL PLATE OVER-ALL.

LTR.	REVISIONS	LTR.	REVISIONS
		B	SEE SHEET 1
		A	SEE SHEET 1

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± ---	---
2 PLACE	± ---	± ---
1 PLACE	---	± ---

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY AAB | CHK'D. BY AAB | APP'D. BY WAZ | SCALE 4

▽ = Ø ▼ = Ø REVISE ONLY ON CAD SYSTEM

TITLE
SALES ASSEMBLY
HEADER - RIGHT ANGLE
.100 CENTERS W/P.C.B. PEGS

molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.

SHEET NO. 2 | DATE 05/13/93

PART NO. SEE CHART | DRWG. NO. SDA-70575-****

FILE NAME ST0575X2.DGN

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DIV. DA | SIZE C

70575