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Part Number: [0705630116](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Header, Single Row, Vertical, .180" Pocket, Shrouded, 12 Circuits, 0.76µm (30µ") 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

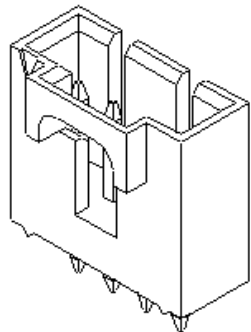
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	70563
Application	Wire-to-Board
Overview	cgrid_sl_products
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	50
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	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	No
PCB Retention	None
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)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.875
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole



*Series
image - Reference only*

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**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
[70563Series](#)

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

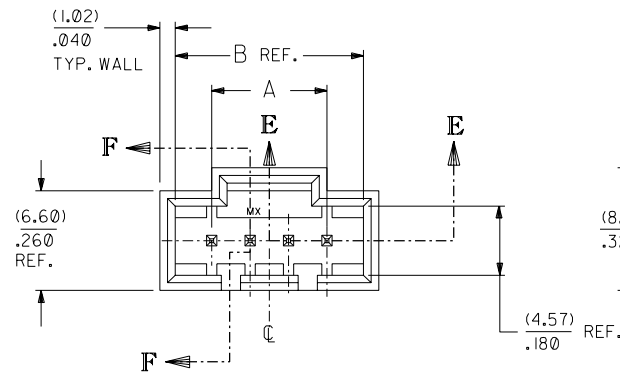
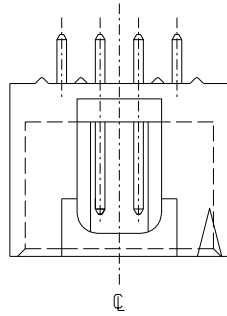
Reference - Drawing Numbers

Packaging Specification	PK-70873-0016
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70563-****

This document was generated on 05/28/2010

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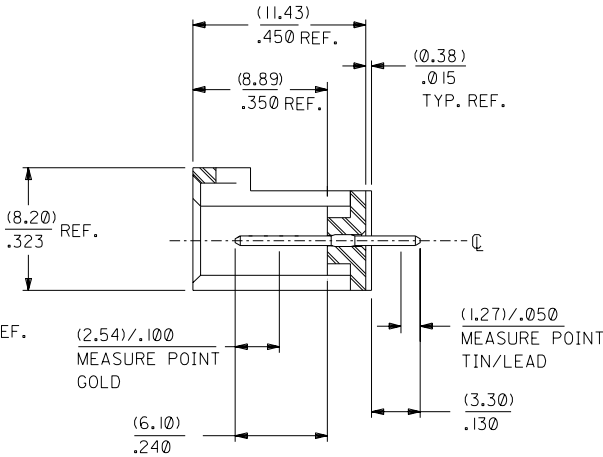
OPTION "C"



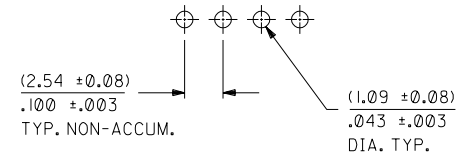
(0.64) .025 SQ. PINS
PHOSPHOR BRONZE

(2.54) .100 TYP. REF.

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-70873-0016. OPTIONAL PACKAGING MAY BE AVAILABLE. (SEE DRAWING PK-70563-**** FOR ORDER NUMBERS)

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-***

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

	2	B
	1	B
MFG.	SH.	REV.

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM	
INCH METRIC		TITLE	
3 PLACE ± .010	---	SALES ASSEMBLY HEADER - STRAIGHT MOUNT 100 CENTERS	
2 PLACE ± .014 ± 0.25	---	MOLEX INCORPORATED U.S.A.	
1 PLACE --- ± 0.35	---	SHEET NO. 1 OF 2 DATE 05/13/93	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO. DRWG. NO.	
DRWG. BY AAB CHK'D. BY AAB		SEE CHART SDA-70563-****	
APPR'D. BY WAZ SCALE 4 : 1		FILE NAME 570563X1.DGN	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DA C	

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

	I3	I2	I1	I0	9	8	7	6	5	4	3	2	I		
J	ENGINEERING NUMBER A-70563-	MANUFACTURE RELEASE STATUS								CONNECTOR END PLATING		P.C. BOARD END PLATING			
										TYPE	H MEAS.		TYPE	K MEAS.	
	-0003-0024	R.F.M.								15 GOLD	(2,54) .100		TIN	(1.27) .050	
	-0038-0059	R.F.M.								TIN	(2,54) .100		TIN	(1.27) .050	
I	-0073-0094														
	-0108-0129	R.F.M.								30 GOLD	(2,54) .100		TIN	(1.27) .050	
H															
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	CKTS
	02	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.						03
	04	705-63-0003	A-70563-0003	705-63-0038	A-70563-0038		A-70563-0073	705-63-0108	A-70563-0108						04
	05	705-63-0004	A-70563-0004	705-63-0039	A-70563-0039		A-70563-0074	705-63-0109	A-70563-0109						05
F	06	705-63-0005	A-70563-0005	705-63-0040	A-70563-0040		A-70563-0075	705-63-0110	A-70563-0110						06
	07	705-63-0006	A-70563-0006	705-63-0041	A-70563-0041		A-70563-0076	705-63-0111	A-70563-0111						07
	08	705-63-0007	A-70563-0007	705-63-0042	A-70563-0042		A-70563-0077	705-63-0112	A-70563-0112						08
	09	705-63-0008	A-70563-0008	705-63-0043	A-70563-0043		A-70563-0078	705-63-0113	A-70563-0113						09
	10	705-63-0009	A-70563-0009	705-63-0044	A-70563-0044		A-70563-0079	705-63-0114	A-70563-0114						10
	11	705-63-0010	A-70563-0010	705-63-0045	A-70563-0045		A-70563-0080	705-63-0115	A-70563-0115						11
E	12	705-63-0011	A-70563-0011	705-63-0046	A-70563-0046		A-70563-0081	705-63-0116	A-70563-0116						12
	13	705-63-0012	A-70563-0012	705-63-0047	A-70563-0047		A-70563-0082	705-63-0117	A-70563-0117						13
	14	705-63-0013	A-70563-0013	705-63-0048	A-70563-0048		A-70563-0083	705-63-0118	A-70563-0118						14
	15	705-63-0014	A-70563-0014	705-63-0049	A-70563-0049		A-70563-0084	705-63-0119	A-70563-0119						15
	16	705-63-0015	A-70563-0015	705-63-0050	A-70563-0050		A-70563-0085	705-63-0120	A-70563-0120						16
	17	705-63-0016	A-70563-0016	705-63-0051	A-70563-0051		A-70563-0086	705-63-0121	A-70563-0121						17
	18	705-63-0017	A-70563-0017	705-63-0052	A-70563-0052		A-70563-0087	705-63-0122	A-70563-0122						18
D	19	705-63-0018	A-70563-0018	705-63-0053	A-70563-0053		A-70563-0088	705-63-0123	A-70563-0123						19
	20	705-63-0019	A-70563-0019	705-63-0054	A-70563-0054		A-70563-0089	705-63-0124	A-70563-0124						20
	21	705-63-0020	A-70563-0020	705-63-0055	A-70563-0055		A-70563-0090	705-63-0125	A-70563-0125						21
	22	705-63-0021	A-70563-0021	705-63-0056	A-70563-0056		A-70563-0091	705-63-0126	A-70563-0126						22
	23	705-63-0022	A-70563-0022	705-63-0057	A-70563-0057		A-70563-0092	705-63-0127	A-70563-0127						23
	24	705-63-0023	A-70563-0023	705-63-0058	A-70563-0058		A-70563-0093	705-63-0128	A-70563-0128						24
C	25	705-63-0024	A-70563-0024	705-63-0059	A-70563-0059		A-70563-0094	705-63-0129	A-70563-0129						25
B															
A															
	I3	I2	I1	I0	9	8	7	6	5	4	3	2	I		

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 :			
L.T.R.		REVISIONS		L.T.R. REVISIONS	

▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM	
TITLE		SALES ASSEMBLY HEADER - STRAIGHT MOUNT .100 CENTERS	
PART NO. MOLEX INCORPORATED LITSE,ILL. 60532		SHEET NO. 2 DATE 05/13/93	
SEE CHART		SDA-70563-*****	
FILE NAME 570563X2 RGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIV. DA		SIZE C	