

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0705630012

Status:

Active

Overview:

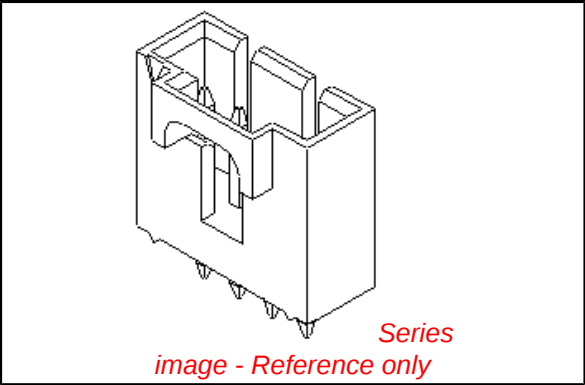
cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Header, Single Row, Vertical, .180" Pocket, Shrouded, 13 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)

General	
Product Family	PCB Headers
Series	70563
Application	Wire-to-Board
Overview	cgrid_sl_products
Product Name	SL™
Physical	
Breakaway	No
Circuits (Loaded)	13
Circuits (maximum)	13
Color - Resin	Black
Durability (mating cycles max)	50
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)	15
Plating min: Mating (µm)	0.375
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
Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	250V



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

70563Series

Mates With

70004

Solder Process Data

Lead-free Process Capability

Wave Capable (TH only)

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-70873-0016

Product Specification

PS-70400, PS-70541

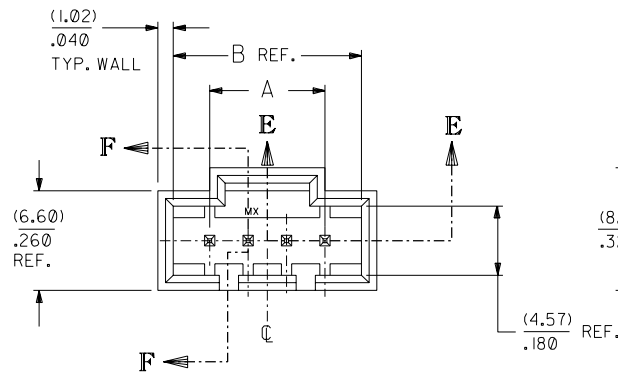
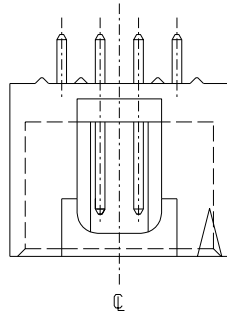
Sales Drawing

SDA-70563-****

This document was generated on 05/28/2010

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OPTION "C"



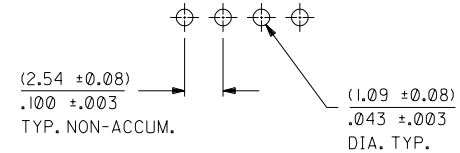
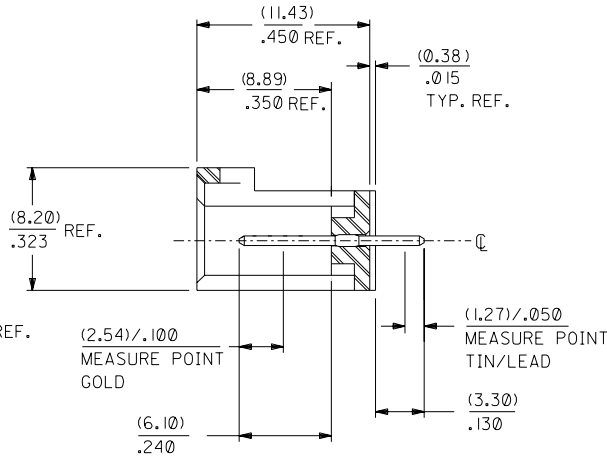
(0.64) .025 SQ. PINS
PHOSPHOR BRONZE

SECTION E-E

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)

SECTION F-F



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	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DATE 05/13/93	
DRWG. BY AAB	CHKD. BY AAB	PART NO. SEE CHART	
APP'D. BY WAZ	SCALE 4 : 1	SDA-70563-****	
LTR. REVISIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
LTR. REVISIONS		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		70563		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	ENG NUMBER	EDP NUMBER	ENG 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												
D	18	705-63-0017	A-70563-0017	705-63-0052	A-70563-0052		A-70563-0087	705-63-0122	A-70563-0122									18												
	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												
C	24	705-63-0023	A-70563-0023	705-63-0058	A-70563-0058		A-70563-0093	705-63-0128	A-70563-0128									24												
	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																			DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▽ = 0		REVISE ONLY ON CAD SYSTEM							
																			INCH METRIC		TITLE		SALES ASSEMBLY HEADER - STRAIGHT MOUNT .100 CENTERS							
																		3 PLACE ± --- --- 2 PLACE ± --- ± --- 1 PLACE --- ± ---		PART NO. MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.		SHEET NO. 2		DATE 05/13/93						
																		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-70563-*****								
																		DRWG. BY: AAB CHK'D. BY: AAB		FILE NAME 570563X2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIV. DA		SIZE C				
										LTR.		REVISIONS		LTR.		REVISIONS														
I3		I2		I1		I0		9		8		7		6		5		4		3		2		I						