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Part Number: [0705630003](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Header, Single Row, Vertical, .180" Pocket, Shrouded, 4 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

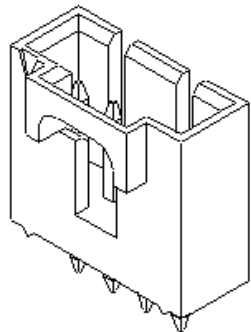
CSA	LR19980
UL	E29179

General

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

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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)	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



*Series
image - Reference only*

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](#)

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

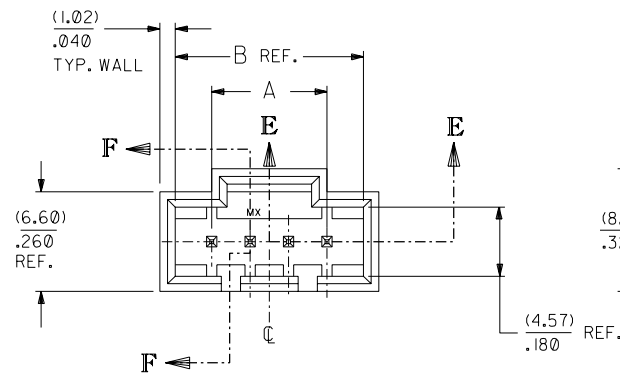
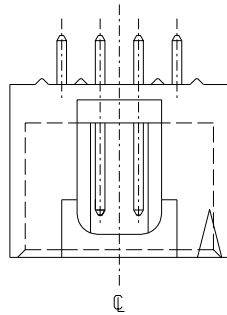
Reference - Drawing Numbers

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"



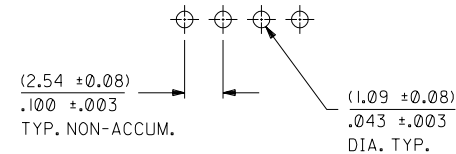
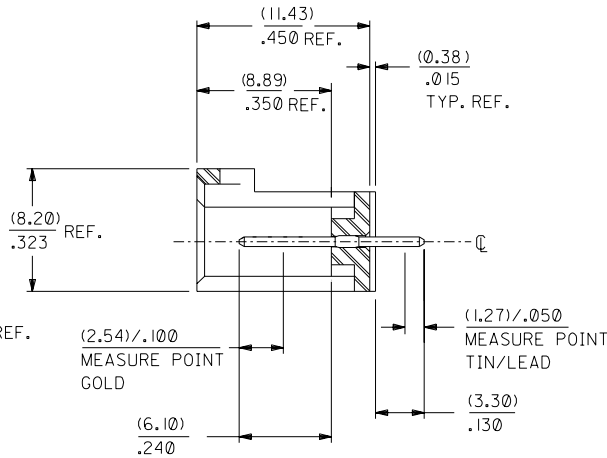
(0.64) .025 SQ. PINS
PHOSPHOR BRONZE

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	
			TITLE	
			SALES ASSEMBLY HEADER - STRAIGHT MOUNT 100 CENTERS	
			MOLEX INCORPORATED U.S.A. SHEET NO. 1 OF 2 DATE 05/13/93	
			PART NO. SEE CHART DRWG. NO. SDA-70563-****	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
			DA C	

J		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	CKTS	G	
		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.									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																			
										DIMENSIONS SHOWN (METRIC) INCH		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM					
										UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE		SALES ASSEMBLY HEADER - STRAIGHT MOUNT 100 CENTERS					
										INCH METRIC		3 PLACE ± --- ---		2 PLACE ± --- ± ---		1 PLACE --- ± ---			
										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO.		MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.		SHEET NO. 2		DATE 05/13/93	
										B SEE SHEET 1		DRAWG. NO.		SEE CHART		SDA-70563-*****			
										A SEE SHEET 1		DRWG. BY AAB		CHK'D. BY AAB		FILE NAME S70563X2.DGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
										LTR. REVISIONS		LTR. REVISIONS							
		I3	I2	I1	I0	9	8	7	6	5	4	3	2	I					