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Part Number: [0705550081](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Header, Single Row, Right Angle, .120" Pocket, Shrouded, with Press-fit Plastic Peg, 12 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	70555
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	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)	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

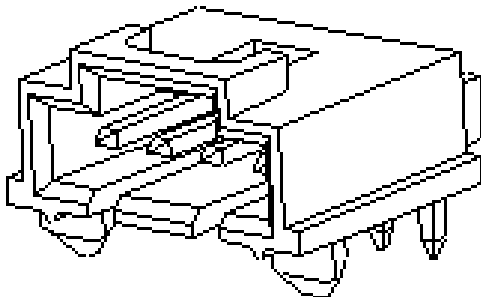


image - Reference only

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

[70555Series](#)

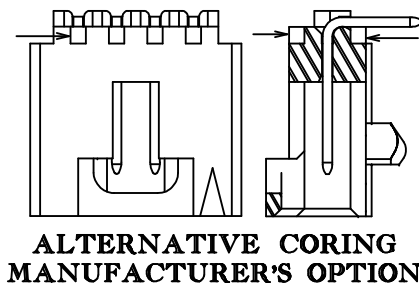
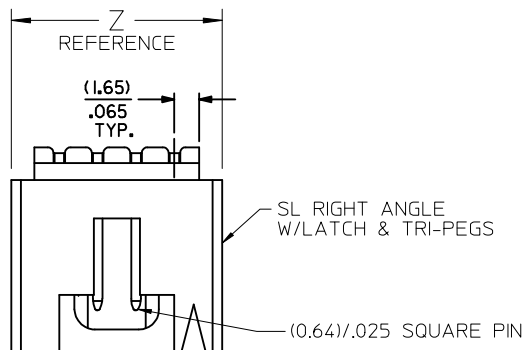
Mates With

[70066n](#) , [70066g](#) , [70430g](#) , [70400g](#) Housing

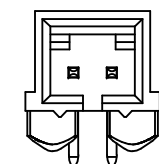
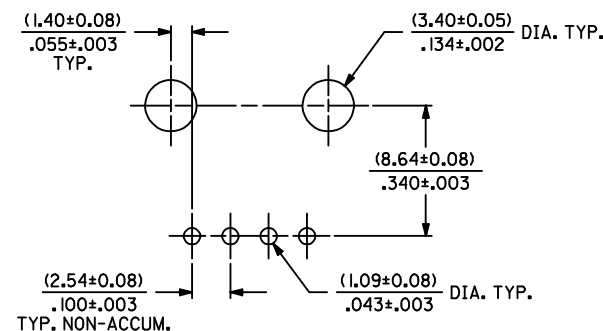
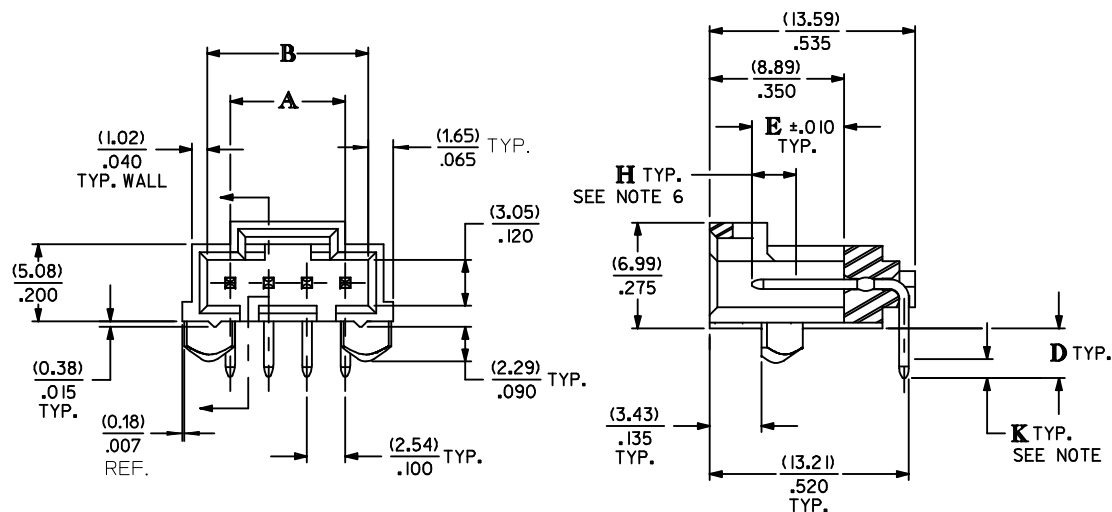
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	250V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	1
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-70873-0015
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70555-****

This document was generated on 05/28/2010

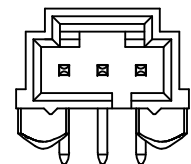
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CKT. SIZE	DIM. "A"		DIM. "B"		DIM. "Z"	
	MM	IN.	MM	IN.	MM	IN.
2	2.54	.100	5.33	.210	8.64	.340
3	5.08	.200	8.13	.320	11.43	.450
4	7.62	.300	10.67	.420	13.97	.550
5	10.16	.400	13.21	.520	16.51	.650
6	12.70	.500	15.75	.620	19.05	.750
7	15.24	.600	18.29	.720	21.59	.850
8	17.78	.700	20.83	.820	24.13	.950
9	20.32	.800	23.37	.920	26.67	1.050
10	22.86	.900	25.91	1.020	29.21	1.150
11	25.40	1.000	28.45	1.120	31.75	1.250
12	27.94	1.100	30.99	1.220	34.29	1.350
13	30.48	1.200	33.53	1.320	36.83	1.450
14	33.02	1.300	36.07	1.420	39.37	1.550
15	35.56	1.400	38.61	1.520	41.91	1.650
16	38.10	1.500	41.15	1.620	44.45	1.750
17	40.64	1.600	43.69	1.720	46.99	1.850
18	43.18	1.700	46.23	1.820	49.53	1.950
19	45.72	1.800	48.77	1.920	52.07	2.050
20	48.26	1.900	51.31	2.020	54.61	2.150
21	50.80	2.000	53.85	2.120	57.15	2.250
22	53.34	2.100	56.39	2.220	59.69	2.350
23	55.88	2.200	58.93	2.320	62.23	2.450
24	58.42	2.300	61.47	2.420	64.77	2.550
25	60.96	2.400	64.01	2.520	67.31	2.750



2 CIRCUIT



3 CIRCUIT

- NOTES:
- HEADER MATERIAL: GLASSS FILLED POLYESTER;
UL 94V-0, COLOR: BLACK
 - PIN MATERIAL: PHOSPHOR BRONZE
 - HEADER TO BE USED WITH OPTION "G" 70400 AND 70430 SERIES SL CONNECTORS
 - REFER TO MOLEX PRODUCT SPECIFICATION PS-70541
 - STANDARD PACKAGING PER PK-70873-0015
 - DIMENSIONS WITHOUT TOLERANCE ARE SHOWN FOR REFERENCE ONLY
 - MEASURE POINT FOR PLATING THICKNESS

PLATING:

TIN - 3.81 MICROMETERS/150 MICROINCHES MINIMUM TIN PLATE OVER NICKEL UNDERPLATE OVERALL

15 GOLD - 0.38 MICROMETERS/15 MICROINCHES MINIMUM GOLD PLATE IN MATE AREA 1.91 MICROMETERS/75 MICROINCHES MINIMUM TIN PLATE IN PC TAIL AREA OVER NICKEL UNDERPLATE OVERALL

30 GOLD - 0.76 MICROMETERS/30 MICROINCHES MINIMUM GOLD PLATE IN MATE AREA 1.91 MICROMETERS/75 MICROINCHES MINIMUM TIN PLATE IN PC TAIL AREA OVER NICKEL UNDERPLATE OVERALL

ADD DIMENSION "Z" EC NO: UCP2010-1081 DRWN:MS BARRA 2009/10/27 CHKD:J MORGAN 2009/11/09 APPR:SMILLER 2009/11/09	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY AAB	DATE 1993/05/13	SL RIGHT ANGLE HEADER W/LATCH & TRI-PEGS (2.54)/.100 CENTERS		
			4 PLACES	± ---	± ---	CHECKED BY AAB	DATE 1993/05/13			
			3 PLACES	± ---	± .005	APPROVED BY WAZ	DATE 1993/05/13			
			2 PLACES	± 0.13	± .01	MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-70555-****	SHEET NO. 1 OF 2	
			1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
						ANGULAR ±1/2°		SIZE C		

13		12		11		10		9		8		7		6		5		4		3		2		1	
J	CIRCUIT SIZE	ENGINEERING NUMBER A-70555	MANUFACTURE RELEASE STATUS						D REF.		E ± .010		PLATE PER ES- 88	CONNECTOR END PLATING			P.C. BOARD END PLATING			VOIDED CIRCUIT NUMBER					
												TYPE		H MEAS.		TYPE	K MEAS.								
I	2-10	-0001-0009	R.F.M.						(3.30) .130		(6.10) .240			TIN	(2.54) .100		TIN	(1.27) .050							
	11-25	-0010-0024	R.F.M.						(3.30) .130		(6.10) .240			15 GOLD	(2.54) .100		TIN	(1.27) .050							
	2-10	-0036-0044	R.F.M.						(3.30) .130		(6.10) .240			30 GOLD	(2.54) .100		TIN	(1.27) .050							
	11-25	-0045-0059	R.F.M.						(3.30) .130		(6.10) .240			15 GOLD	(2.54) .100		TIN	(1.27) .050							
H	2-10	-0071-0079	R.F.M.						(3.30) .130		(6.10) .240			30 GOLD	(2.54) .100		TIN	(1.27) .050							
	11-25	-0080-0094	R.F.M.						(3.30) .130		(6.10) .240			30 GOLD	(2.54) .100		TIN	(1.27) .050							
	2-10	-0106-0114	R.F.M.						(2.67) .105		(6.10) .240			15 GOLD	(2.54) .100		TIN	(1.27) .050							
	11-25	-0115-0129	R.F.M.						(2.67) .105		(6.10) .240			15 GOLD	(2.54) .100		TIN	(1.27) .050							
G	2-10	-5001-5009	R.F.M.						(3.30) .130		(6.10) .240			TIN	(2.54) .100		TIN	(1.27) .050		2					
	11-25	-5010-5024	R.F.M.						(3.30) .130		(6.10) .240			TIN	(2.54) .100		TIN	(1.27) .050		2					
F	CIRCUIT SIZE	ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER													
	2		70555-0001		70555-0036		70555-0071							70555-5001											
	3		70555-0002		70555-0037		70555-0072							70555-5002											
	4		70555-0003		70555-0038		70555-0073		70555-0108					70555-5003											
	5		70555-0004		70555-0039		70555-0074		70555-0109					70555-5004											
	6		70555-0005		70555-0040		70555-0075							70555-5005											
	7		70555-0006		70555-0041		70555-0076							70555-5006											
	8		70555-0007		70555-0042		70555-0077							70555-5007											
E	9		70555-0008		70555-0043		70555-0078							70555-5008											
	10		70555-0009		70555-0044		70555-0079							70555-5009											
	11		70555-0010		70555-0045		70555-0080							70555-5010											
	12		70555-0011		70555-0046		70555-0081							70555-5011											
D	13		70555-0012		70555-0047		70555-0082							70555-5012											
	14		70555-0013		70555-0048		70555-0083							70555-5013											
	15		70555-0014		70555-0049		70555-0084							70555-5014											
	16		70555-0015		70555-0050		70555-0085							70555-5015											
	17		70555-0016		70555-0051		70555-0086							70555-5016											
	18		70555-0017		70555-0052		70555-0087							70555-5017											
	19		70555-0018		70555-0053		70555-0088							70555-5018											
	20		70555-0019		70555-0054		70555-0089							70555-5019											
C	21		70555-0020		70555-0055		70555-0090							70555-5020											
	22		70555-0021		70555-0056		70555-0091							70555-5021											
	23		70555-0022		70555-0057		70555-0092							70555-5022											
	24		70555-0023		70555-0058		70555-0093							70555-5023											
	25		70555-0024		70555-0059		70555-0094							70555-5024											
B	*X* IN COLUMN UNDER "ASSEMBLY ITEM NUMBER " HEADING DENOTES TOOLING NOT AVAILABLE																								
A																									

SEE SHEET 1

EC NO: UCP2010-1081

DRWN:MSIBARRA 2009/10/27

CHKD:DMORGAN 2009/11/09

APPR:SMILLER 2009/11/09

DESCRIPTION

REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

MATERIAL NO.

DOCUMENT NO.

SIZE

C

DIMENSION STYLE

MM/IN

SCALE

4:1

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

SL RIGHT ANGLE HEADER

W/LATCH & TRI-PEGS

(2.54)/.100 CENTERS

MOLEX INCORPORATED

SDA-70555-****

2 OF 2

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12		11		10		9		8		7		6		5		4		3		2		1	
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