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Part Number: [0705550038](#)
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, 4 Circuits, 0.38µm (15µ") 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

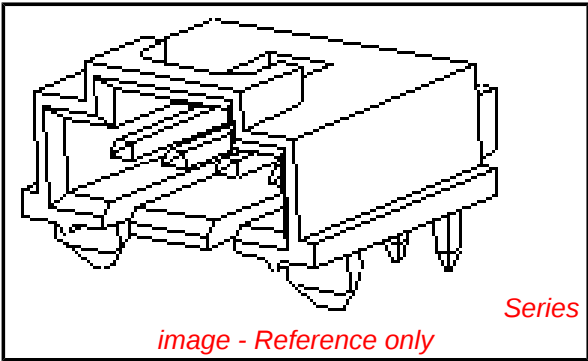
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	70555
Application	Wire-to-Board
Overview	cgrid_sl_products
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	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	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)	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



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Halogen-Free

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.

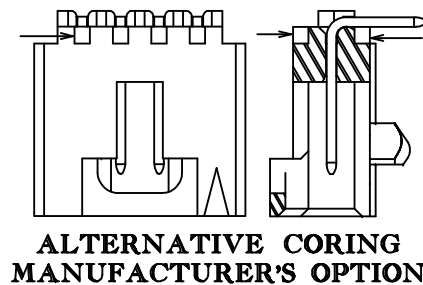
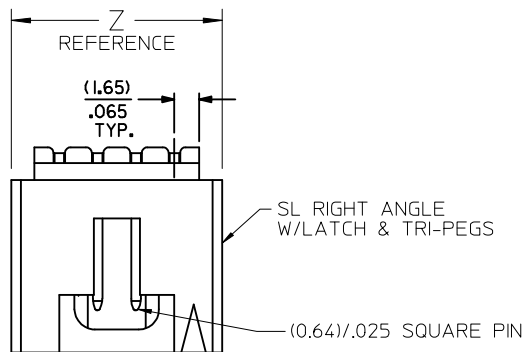
Search Parts in this Series
[70555Series](#)

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

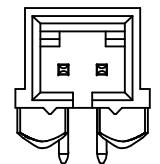
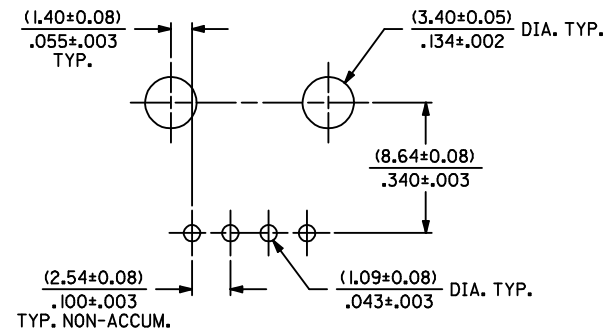
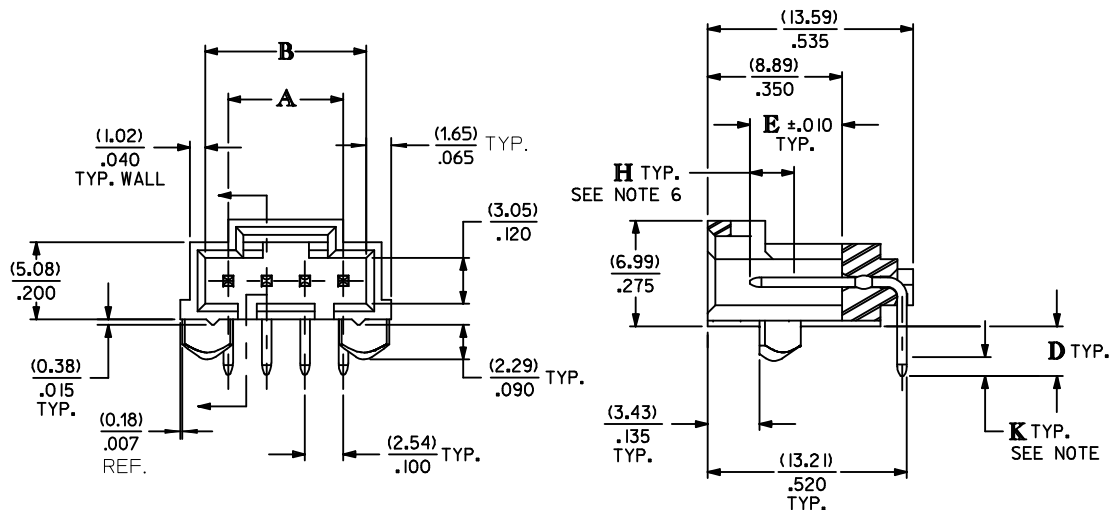
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	250V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	1
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260
Material Info	
Old Part Number	A-70555-0038
Reference - Drawing Numbers	
Packaging Specification	PK-70873-0015
Product Specification	PS-70400, PS-70541, RPS-70555-001
Sales Drawing	SDA-70555-****

This document was generated on 05/28/2010

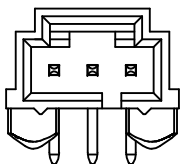
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CKT. SIZE	DIM. "A"		DIM. "B"		DIM. "Z"	
	MM	IN.	MM	IN.	MM	IN.
2	2.54	.100	5.33	.210	8.64	.340
3	5.08	.200	8.13	.320	11.43	.450
4	7.62	.300	10.67	.420	13.97	.550
5	10.16	.400	13.21	.520	16.51	.650
6	12.70	.500	15.75	.620	19.05	.750
7	15.24	.600	18.29	.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:
1. HEADER MATERIAL: GLASSS FILLED POLYESTER;
UL 94V-0, COLOR: BLACK
 2. HEADER TO BE USED WITH OPTION 'G' 70400 AND 70430
SERIES SL CONNECTORS
 3. REFER TO MOLEX PRODUCT SPECIFICATION PS-70541
 4. STANDARD PACKAGING PER PK-70873-0015
 5. DIMENSIONS WITHOUT TOLERANCE ARE SHOWN FOR
REFERENCE ONLY
 6. 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 REV	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	TITLE SL RIGHT ANGLE HEADER W/LATCH & TRI-PEGS (2.54)/.100 CENTERS				
			4 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED				
			3 PLACES	± ---	± .005	AAB	1993/05/13					
			2 PLACES	± 0.13	± .01	APPROVED BY	DATE	MATERIAL NO. SEE TABLE				
			1 PLACE	± 0.25	± ---	WAZ	1993/05/13					
			ANGULAR ±1/2°			DOCUMENT NO.		SHEET NO. 1 OF 2				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SDA-70555-****		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
						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)	(6.10)	TIN	(2.54)	.100	TIN	(1.27)	.050															
	11-25	-0010-0024	R.F.M.					.130	.240																					
	2-10	-0036-0044	R.F.M.					(3.30)	(6.10)	15 GOLD	(2.54)	.100	TIN	(1.27)	.050															
	11-25	-0045-0059	R.F.M.					.130	.240																					
H	2-10	-0071-0079	R.F.M.					(3.30)	(6.10)	30 GOLD	(2.54)	.100	TIN	(1.27)	.050															
	11-25	-0080-0094	R.F.M.					.130	.240																					
	2-10	-0106-0114	R.F.M.					(2.67)	(6.10)	15 GOLD	(2.54)	.100	TIN	(1.27)	.050															
	11-25	-0115-0129	R.F.M.					.105	.240																					
G	2-10	-5001-5009	R.F.M.					(3.30)	(6.10)	TIN	(2.54)	.100	TIN	(1.27)	.050		2													
	11-25	-5010-5024	R.F.M.					.130	.240																					
CIRCUIT SIZE																			ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER	
F	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																		
*X" IN COLUMN UNDER "ASSEMBLY ITEM NUMBER " HEADING DENOTES TOOLING NOT AVAILABLE																														
B	SEE SHEET 1 EC NO: UCP2010-1081 2009/10/27 DRINKS BARA 2009/11/09 CHXD-MORGAN 2009/11/09 JAPPR-MILLER 2009/11/09 REV DESCRIPTION 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 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 MATERIAL NO. DOCUMENT NO. SHEET NO. 2 OF 2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																													
																			A											

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Rev. F 2009/06/18

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