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Part Number: [0705550003](#)
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, Tin (Sn) 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	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)	25
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	Tin
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)	150
Plating min: Mating (µm)	3.75
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.75
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

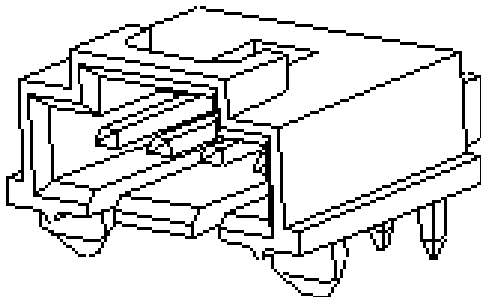


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Halogen-Free

**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

[70555Series](#)

Mates With

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

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

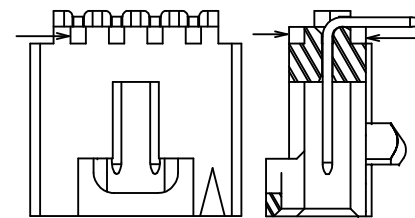
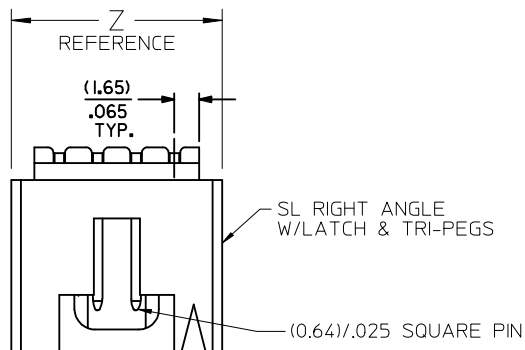
Old Part Number	A-70555-0003
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Reference - Drawing Numbers

Packaging Specification	PK-70873-0015
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70555-****

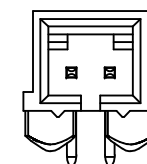
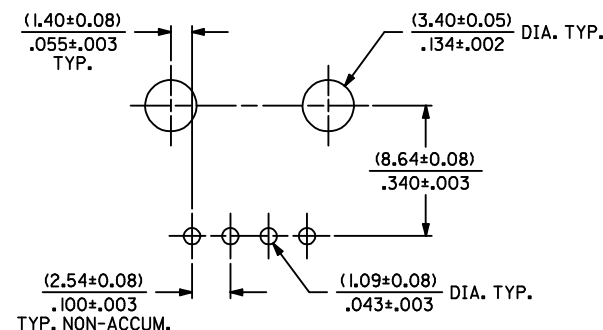
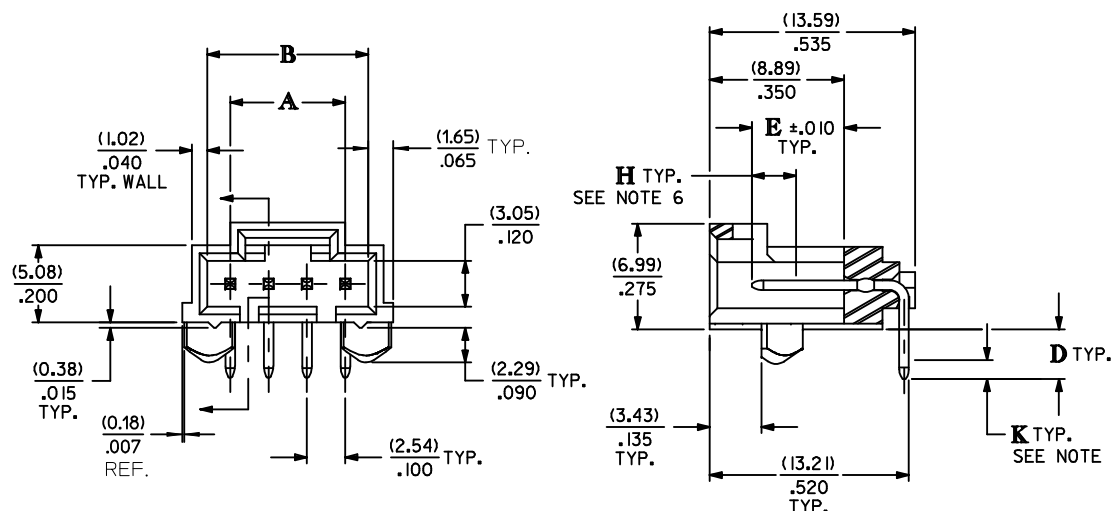
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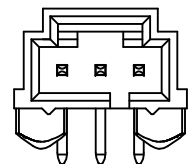


ALTERNATIVE CORING MANUFACTURER'S OPTION

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:MORGAN 2009/11/09 APPR:SMILLER 2009/11/09	DESCRIPTION	QUALITY SYMBOLS	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 AAB	DATE 1993/05/13	MOLEX INCORPORATED			
			3 PLACES	± ---	± .005	APPROVED BY WAZ					DATE 1993/05/13
			2 PLACES	± 0.13	± .01	MATERIAL NO. SEE TABLE					DOCUMENT NO. SDA-70555-****
1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 1 OF 2						
			ANGULAR ± 1/2°								

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)		TIN	(1.27)												
	11-25	-0010-0024	R.F.M.					.130	.240			.100			.050												
	2-10	-0036-0044	R.F.M.					(3.30)	(6.10)		15 GOLD	(2.54)		TIN	(1.27)												
	11-25	-0045-0059	R.F.M.					.130	.240			.100			.050												
H	2-10	-0071-0079	R.F.M.					(3.30)	(6.10)		30 GOLD	(2.54)		TIN	(1.27)												
	11-25	-0080-0094	R.F.M.					.130	.240			.100			.050												
	2-10	-0106-0114	R.F.M.					(2.67)	(6.10)		15 GOLD	(2.54)		TIN	(1.27)												
	11-25	-0115-0129	R.F.M.					.105	.240			.100			.050												
G	2-10	-5001-5009	R.F.M.					(3.30)	(6.10)		TIN	(2.54)		TIN	(1.27)			2									
	11-25	-5010-5024	R.F.M.					.130	.240			.100			.050												
F	CIRCUIT SIZE	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	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												
F	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												
E	7	70555-0006	70555-0041	70555-0076											70555-5006												
	8	70555-0007	70555-0042	70555-0077											70555-5007												
	9	70555-0008	70555-0043	70555-0078											70555-5008												
	10	70555-0009	70555-0044	70555-0079											70555-5009												
D	11	70555-0010	70555-0045	70555-0080											70555-5010												
	12	70555-0011	70555-0046	70555-0081											70555-5011												
	13	70555-0012	70555-0047	70555-0082											70555-5012												
	14	70555-0013	70555-0048	70555-0083											70555-5013												
C	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												
B	19	70555-0018	70555-0053	70555-0088											70555-5018												
	20	70555-0019	70555-0054	70555-0089											70555-5019												
	21	70555-0020	70555-0055	70555-0090											70555-5020												
	22	70555-0021	70555-0056	70555-0091											70555-5021												
A	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													REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION				B		
																	mm	INCH	DRAWN BY	DATE	TITLE						
A													SEE SHEET 1 EC NO: UCP2010-1081 DRWN:MS BARA 2009/10/27 CHKD:J MORGAN 2009/11/09 APPR:SMILLER 2009/11/09	DESCRIPTION	▽=0 ▽=0 ▽=0	4 PLACES ± --- ± ---		MM/IN		AAB	1993/05/13	SL RIGHT ANGLE HEADER W/LATCH & TRI-PEGS (2.54)/.100 CENTERS		MOLEX INCORPORATED			
	3 PLACES ± --- ± .005				CHECKED BY	DATE																					
	2 PLACES ± 0.13 ± .01				APPROVED BY	DATE																					
	1 PLACE ± 0.25 ± ---				WAZ	1993/05/13																					
																ANGULAR ±1/2°											
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																				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
tb_frame_C_P_AM.T Rev. F 2009/06/18		12		11		10		9		8		7		6		5		4		3		2		1			