

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

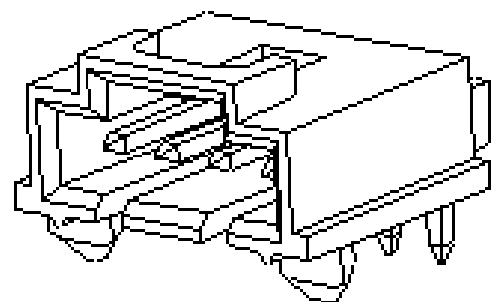


image - Reference only

Series

Documents:

- [3D Model](#)
- [Packaging Specification \(PDF\)](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-70400 \(PDF\)](#)
- [Product Specification PS-70541 \(PDF\)](#)
- [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

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

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

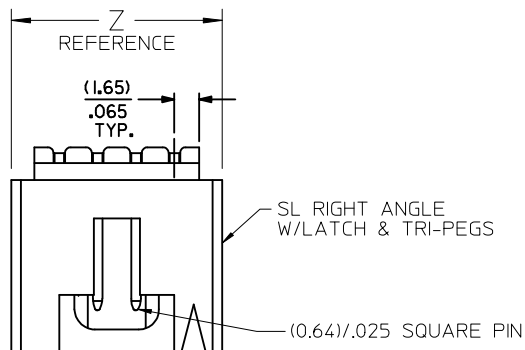
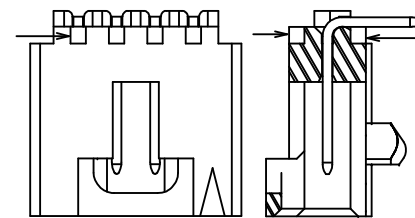
Old Part Number	A-70555-0003
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Reference - Drawing Numbers

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

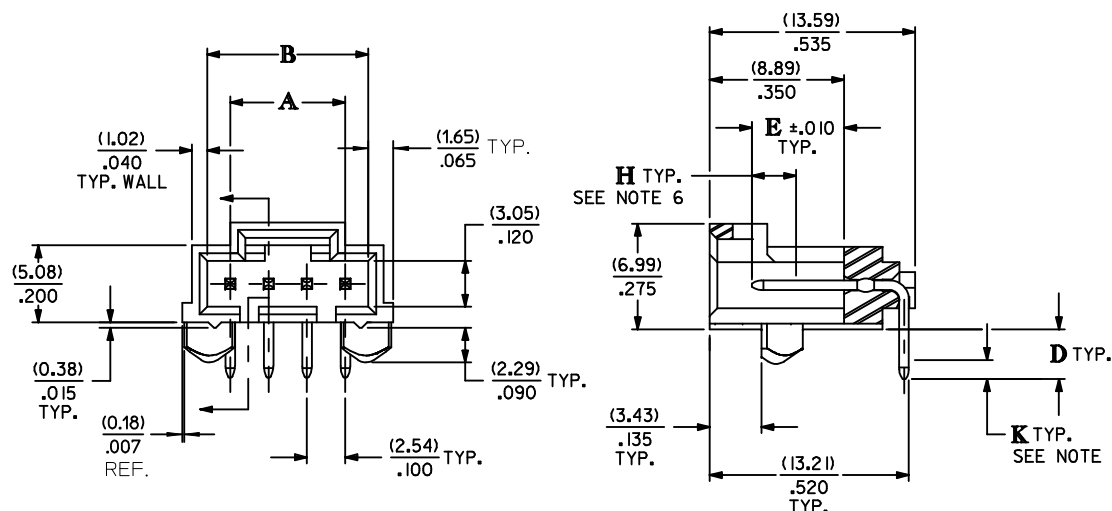
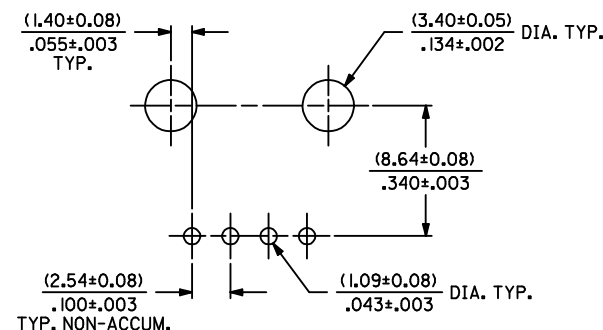
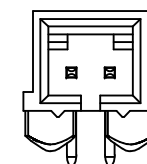
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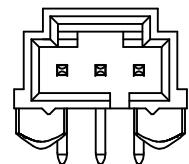


ALTERNATIVE CORING MANUFACTURER'S OPTION

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	2.650
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 <div>▽=0</div> <div>▽=0</div> <div>▽=0</div>	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						
			2 PLACES	± 0.13	± .01	MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-70555-****		SHEET NO. 1 OF 2		
			1 PLACE			± 0.25	± ---					
			ANGULAR			± 1/2°						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
			SIZE			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX. INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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	MM/IN		4:1	INCH								
A													SEE SHEET 1 EC NO: UCP2010-1081 2009/10/27 DRWN:MS BARRA 2009/11/09 CHKD:DMORGAN 2009/11/09 APPR:SMILLER	DESCRIPTION	=0 =0 =0	4 PLACES ± --- ± ---		DRAWN BY DATE		TITLE				A					
																3 PLACES ± --- ± .005		AAB 1993/05/13		SL RIGHT ANGLE HEADER W/LATCH & TRI-PEGS (2.54)/.100 CENTERS									
																2 PLACES ± 0.13 ± .01		CHECKED BY DATE											
																1 PLACE ± 0.25 ± ---		AAB 1993/05/13		MOLEX INCORPORATED									
														REV	ANGULAR ±1/2°				APPROVED BY DATE		DOCUMENT NO.				A				
															DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		WAZ 1993/05/13		SDA-70555-****		SHEET NO. 2 OF 2						
																	SIZE		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					