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Part Number:

0705510004

Status:

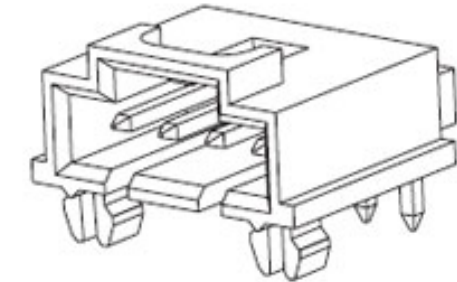
Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Header, Single Row, Right Angle, .120" Pocket, Shrouded, with Beveled Plastic Peg, 5 Circuits, Tin (Sn) Plating



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Packaging Specification \(PDF\)](#)
- [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	70551
Application	Wire-to-Board
Overview	cgrid_sl_products
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
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

EU RoHS

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

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.

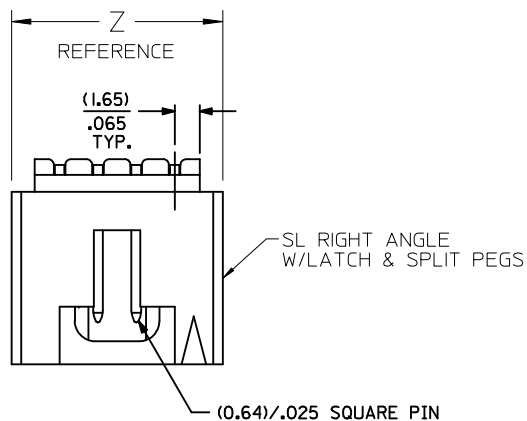
Search Parts in this Series
70551Series

Mates With
SL™ Crimp Housing 70066 , 70430 , 70400

Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	250V
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-70873-0015
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70551-****

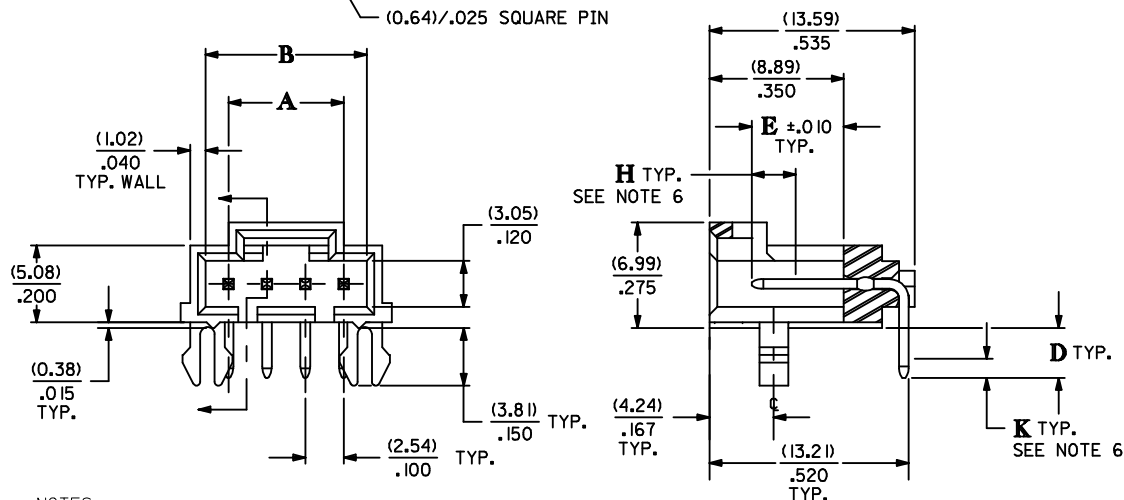
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ALTERNATIVE CORING MANUFACTURER'S OPTION

CKT. SIZE	DIM. "A"		DIM. "B"		DIM. "C"		DIM. "Z"	
	MM	IN.	MM	IN.	MM	IN.	MM	IN.
2	2.54	.100	5.33	.210	5.08	.200	8.64	.340
3	5.08	.200	8.13	.320	7.62	.300	11.43	.450
4	7.62	.300	10.67	.420	10.16	.400	13.97	.550
5	10.16	.400	13.21	.520	12.70	.500	16.51	.650
6	12.70	.500	15.75	.620	15.24	.600	19.05	.750
7	15.24	.600	18.29	.720	17.78	.700	21.59	.850
8	17.78	.700	20.83	.820	20.32	.800	24.13	.950
9	20.32	.800	23.37	.920	22.86	.900	26.67	1.050
10	22.86	.900	25.91	1.020	25.40	1.000	29.21	1.150
11	25.40	1.000	28.45	1.120	27.94	1.100	31.75	1.250
12	27.94	1.100	30.99	1.220	30.48	1.200	34.29	1.350
13	30.48	1.200	33.53	1.320	33.02	1.300	36.83	1.450
14	33.02	1.300	36.07	1.420	35.56	1.400	39.37	1.550
15	35.56	1.400	38.61	1.520	38.10	1.500	41.91	1.650
16	38.10	1.500	41.15	1.620	40.64	1.600	44.45	1.750
17	40.64	1.600	43.69	1.720	43.18	1.700	46.99	1.850
18	43.18	1.700	46.23	1.820	45.72	1.800	49.53	1.950
19	45.72	1.800	48.77	1.920	48.26	1.900	52.07	2.050
20	48.26	1.900	51.31	2.020	50.80	2.000	54.61	2.150
21	50.80	2.000	53.85	2.120	53.34	2.100	57.15	2.250
22	53.34	2.100	56.39	2.220	55.88	2.200	59.69	2.350
23	55.88	2.200	58.93	2.320	58.42	2.300	62.23	2.450
24	58.42	2.300	61.47	2.420	60.96	2.400	64.77	2.650
25	60.96	2.400	64.01	2.520	63.50	2.500	67.31	2.750

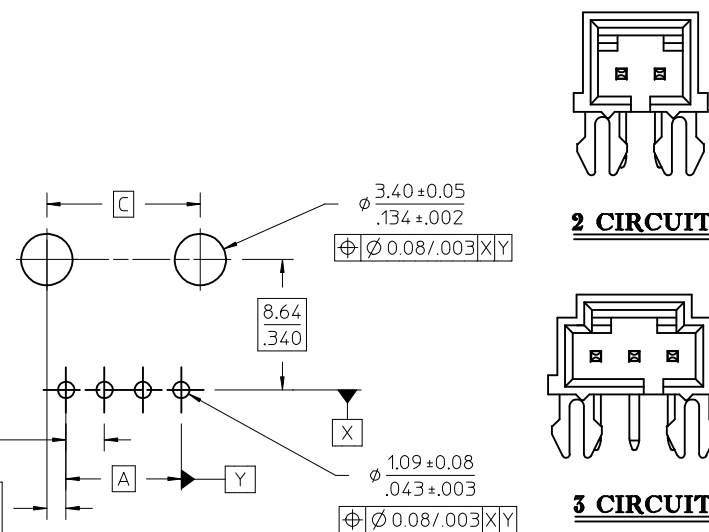


NOTES:

1. MATERIAL:
HOUSING: GLASS FILLED POLYESTER; UL94V-0
COLOR: BLACK
PIN MATERIAL: PHOSPHOR BRONZE
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 CODES:

- TIN - 3.81 MICROMETERS/15 MICROINCHES MINIMUM BRIGHT TIN PLATE
OVER 1.27 MICROMETERS/50 MICROINCHES MINIMUM NICKEL PLATE
- 15 GOLD - 0.38 MICROMETERS/15 MICROINCHES MINIMUM GOLD PLATE IN SELECT AREA
1.91 MICROMETERS/75 MICROINCHES MINIMUM MATTE TIN PLATE IN SELECT AREA
OVER 1.27 MICROMETERS/50 MICROINCHES MINIMUM NICKEL PLATE OVERALL
- 30 GOLD - 0.76 MICROMETERS/15 MICROINCHES MINIMUM GOLD PLATE IN SELECT AREA
1.91 MICROMETERS/75 MICROINCHES MINIMUM MATTE TIN PLATE IN SELECT AREA
OVER 1.27 MICROMETERS/50 MICROINCHES MINIMUM NICKEL PLATE OVERALL



RECOMMENDED P.C. BOARD LAYOUT

(FOR USE WITH (1.57)/.062 THICK BOARD)

ADD DIMENSION "Z" EC NO: UCP2010-1081 DRWN:MS BARRA 2009/10/26 CHKD: 2009/11/09 APPR:SMILLER 2009/11/09	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY AAB	DATE 1993/05/13	TITLE SL RIGHT ANGLE HEADER W/LATCH & SPLIT PEGS (2.54)/.100 CENTERS MOLEX INCORPORATED				
			4 PLACES	± ---	± ---	CHECKED BY AAB	DATE 1993/05/13					
			3 PLACES	± ---	± .005	APPROVED BY WAZ	DATE 1993/05/13					
			2 PLACES	± 0.13	± .010	MATERIAL NO. SEE TABLE	DOCUMENT NO. SDA-70551-****					
			1 PLACE	± 0.25	± ---	SHEET NO. 1 OF 2						
REV			ANGULAR ±1/2°		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					

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