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Part Number: [0705410039](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Header, Single Row, Vertical, .120" Pocket, Shrouded, with Beveled Plastic Peg, 5 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail 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	70541
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)	50
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	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
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

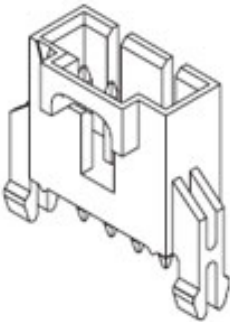


image - Reference only

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

[70541Series](#)

Mates With

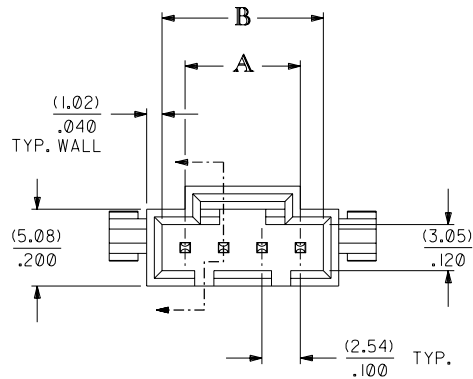
SL™ Crimp Housing [70066](#) , [70430](#) , [70400](#)

Stackable	No
Surface Mount Compatible (SMC)	Yes
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-70873-0014
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70541-****

This document was generated on 05/24/2010

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SL VERTICAL HEADER
W/LATCH & SPLIT PEGS



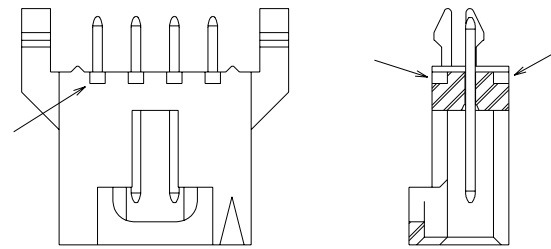
NOTES:

1. HEADER MATERIAL: 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-70873-0014.
5. DIMENSIONS WITHOUT TOLERANCE ARE SHOWN FOR
REFERENCE ONLY.
6. MEASURE POINT FOR PLATING THICKNESS.

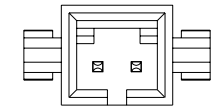
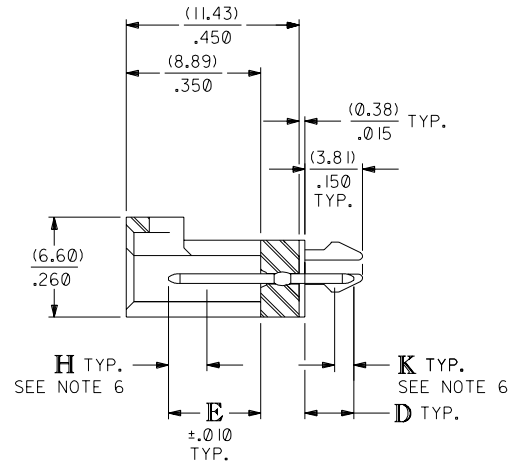
PLATING:

- TIN - .000150 MINIMUM TIN PLATE
OVER .000050 MINIMUM NICKEL PLATE.
- 15 GOLD - .000015 MINIMUM GOLD PLATE IN SELECT AREA,
.000075 MINIMUM TIN PLATE IN SELECT AREA,
OVER .000050 MINIMUM NICKEL PLATE OVERALL.
- 30 GOLD - .000030 MINIMUM GOLD PLATE IN SELECT AREA,
.000075 MINIMUM TIN PLATE IN SELECT AREA,
OVER .000050 MINIMUM NICKEL PLATE OVERALL.

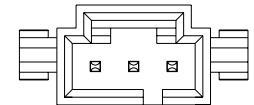
*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO
ROHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC".
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.



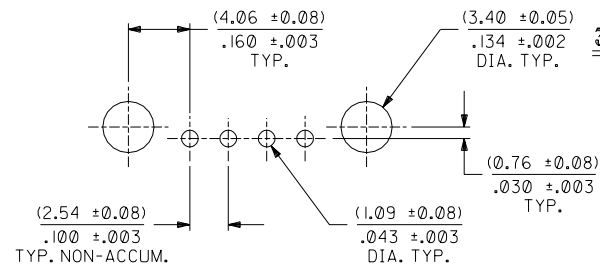
ALTERNATIVE CORING MANUFACTURER'S OPTION



2 CIRCUIT



3 CIRCUIT



RECOMMENDED PC BOARD LAYOUT

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

		H		ADDED TOLERANCES PER UDT2001-0723 JRWILLIAMS 01/04/26		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM	
		G		MODIFIED HOUSING MATERIAL CALLOUT ECN# UDT1999-0869 DMORGAN 99/04/23		INCH 3 PLACE ±.005 2 PLACE ±.01 ±0.13 1 PLACE ±0.25		METRIC	
		FI		ADD -0178 ECR U7-1280 MCFARLAN 97/4/23		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FILE NAME S70541X1	
LTR.		REVISIONS		LTR.		REVISIONS		SEE SHEET 2	
						DRWG. BY AAB CHK'D. BY MJM		SHEET NO. 1 OF 2	
						APP'D. BY WAZ SCALE 4 : 1		DATE 09/22/87	
								MOLEX INCORPORATED U.S.A.	
								SDA-70541-****	
								DA	

	I3		I2		I1		I0		9		8		7		6		70541		4		3		2		1	
J	CIRCUIT SIZE	ASSEMBLY ITEM NUMBER 70541	MANUFACTURE RELEASE STATUS					D REF.	E ± .010	CONNECTOR END PLATING			P.C. BOARD END PLATING													
										TYPE	H MEAS.		TYPE	K MEAS.												
	2-10	-0001-0009	R.F.M.					(3.30) .130	(6.10) .240	TIN	(2.54) .100		TIN	(1.27) .050												
I	11-25	-0010-0024						(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						(3.30) .130	(6.10) .240																	
H	2-10	-0071-0079	R.F.M.					(3.30) .130	(6.10) .240																	
	11-25	-0080-0094																								
G																										
	2-10	-0176-0184	R.F.M.					(3.30) .130	(6.10) .240	TIN	(2.54) .100		TIN	(1.27) .050												
F																										
E	CIRCUIT SIZE	ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER														
	2		70541-0001		70541-0036		70541-0071																			
	3		70541-0002		70541-0037		70541-0072																			
	4		70541-0003		70541-0038		70541-0073						70541-0178													
	5		70541-0004		70541-0039		70541-0074																			
	6		70541-0005		70541-0040		70541-0075																			
	7		70541-0006		70541-0041		70541-0076																			
	8		70541-0007		70541-0042		70541-0077																			
	9		70541-0008		70541-0043		70541-0078																			
	10		70541-0009		70541-0044		70541-0079																			
	11	X	70541-0010	X	70541-0045	X	70541-0080																			
	D	12	X	70541-0011	X	70541-0046	X	70541-0081																		
		13	X	70541-0012	X	70541-0047	X	70541-0082																		
		14	X	70541-0013	X	70541-0048	X	70541-0083																		
	C	15	X	70541-0014	X	70541-0049	X	70541-0084																		
		16	X	70541-0015	X	70541-0050	X	70541-0085																		
		17	X	70541-0016	X	70541-0051	X	70541-0086																		
		18	X	70541-0017	X	70541-0052	X	70541-0087																		
		19	X	70541-0018	X	70541-0053	X	70541-0088																		
		20	X	70541-0019	X	70541-0054	X	70541-0089																		
		21	X	70541-0020	X	70541-0055	X	70541-0090																		
	B	22	X	70541-0021	X	70541-0056	X	70541-0091																		
		23	X	70541-0022	X	70541-0057	X	70541-0092																		
		24	X	70541-0023	X	70541-0058	X	70541-0093																		
		25	X	70541-0024	X	70541-0059	X	70541-0094																		
X IN COLUMN UNDER *ASSEMBLY ITEM NUMBER *HEADING DENOTES TOOLING NOT AVAILABLE																										
A																										