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Part Number:

0705410002

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Header, Single Row, Vertical, .120" Pocket, Shrouded, with Beveled Plastic Peg, 3 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	70541
Application	Wire-to-Board
Overview	cgrid_sl_products
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
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	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)	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

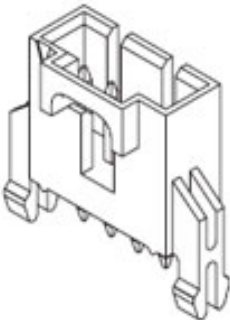


image - Reference only

Series

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

70541Series

Mates With

SL™ Crimp Housing 70066 , 70430 , 70400

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

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	245

Material Info

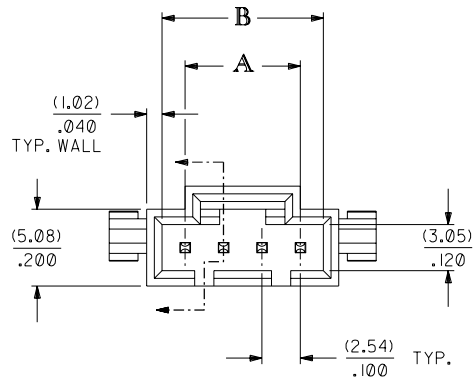
Reference - Drawing Numbers

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



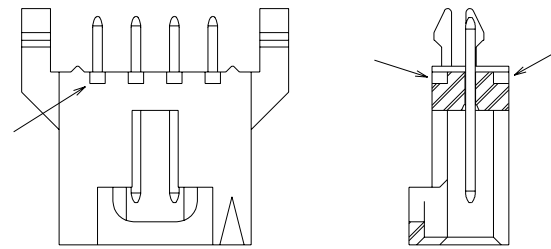
NOTES:

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.

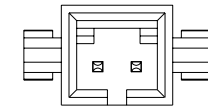
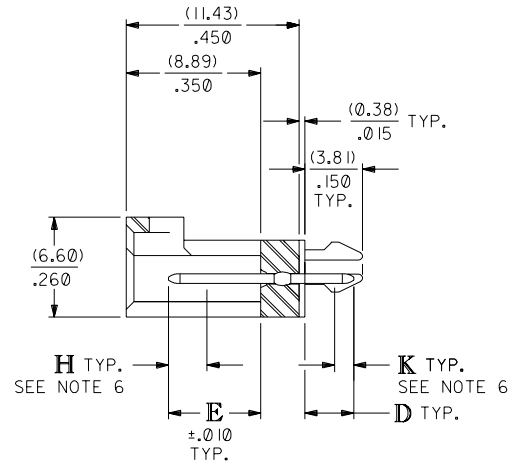
PLATING:

- 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.

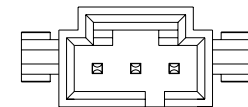
*THE PRIMARY SHIPPING CARTON WILL BE LABELED *COMPLIANT TO
ROHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC.
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.



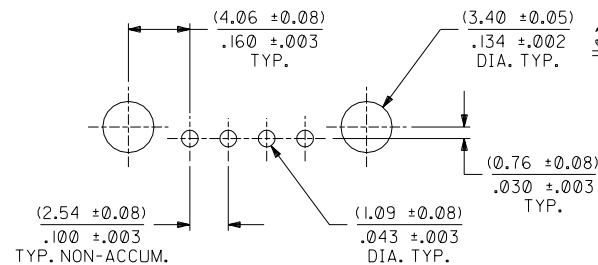
ALTERNATIVE CORING MANUFACTURER'S OPTION



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 APP'D. BY WAZ SCALE 4 : 1		PART NO. SDA-70541-****	
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SHEET NO. 1 OF 2 DATE 09/22/87	
								MFG. SH. REV.	
								2 1	
								1 1	

		13		12		11		10		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																											
	2-10	-0036-0044		R.F.M.							(3.30) .130	(6.10) .240	15 GOLD	(2.54) .100		TIN	(1.27) .050												
	11-25	-0045-0059																											
H	2-10	-0071-0079		R.F.M.							(3.30) .130	(6.10) .240	30 GOLD	(2.54) .100		TIN	(1.27) .050												
	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																													
	CIRCUIT SIZE	ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER															
E	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																						
D	9		70541-0008		70541-0043		70541-0078																						
	10		70541-0009		70541-0044		70541-0079																						
	11	X	70541-0010	X	70541-0045	X	70541-0080																						
	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																						
	15	X	70541-0014	X	70541-0049	X	70541-0084																						
C	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																		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM							
																			INCH METRIC		TITLE								
																			3 PLACE ± .005		SALES ASSY, SL VERTICAL HEADER W/LATCH & SPLIT PEGS (2.54)/.100 CENTERS								
																			2 PLACE ± .01 ± 0.13										
																			1 PLACE ± 0.25										
																			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
																					MOLEX INCORPORATED		SHEET NO. 2						
																				SEE CHART		DATE 09/22/87							
																				SDA-70541-****									
																		DRWG. BY AAB	CHK'D. BY AAB	FILE NAME S70541X2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
																		APPR'D. BY WAZ	SCALE :			DEV. SIZE DA C							
												LTR.	REVISIONS		LTR.	REVISIONS													
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