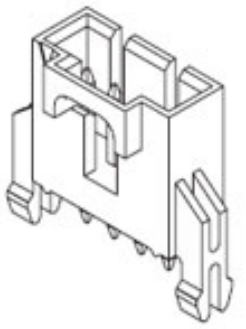
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This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0705419043
Status: Active
Overview: cgrid__sl_products
Description: 2.54mm (.100") Pitch SL™ Header, Single Row, Vertical, .120" Pocket, Shrouded, with Straight Plastic Peg, 9 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-70400 (PDF)
Product Specification PS-70541 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	70541
Application	Wire-to-Board
Overview	cgrid__sl_products
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	9
Circuits (maximum)	9
Color - Resin	Black
Durability (mating cycles max)	50
First Mate / Last Break	No
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
Stackable	No
Surface Mount Compatible (SMC)	Yes
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 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

Electrical

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

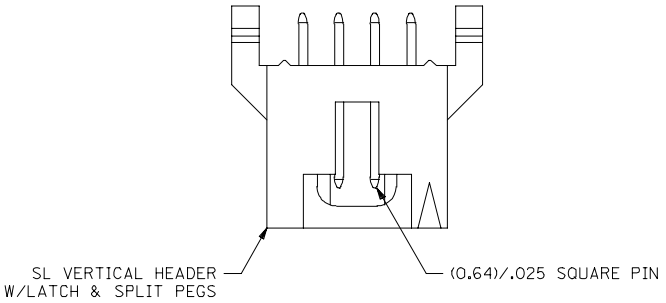
Material Info

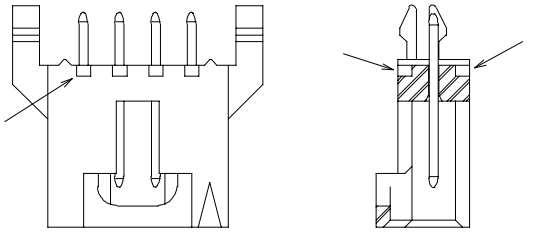
Reference - Drawing Numbers

Packaging Specification	PK-70873-0014
Product Specification	PS-70400, PS-70541
Sales Drawing	SD-70541-001

This document was generated on 05/24/2010

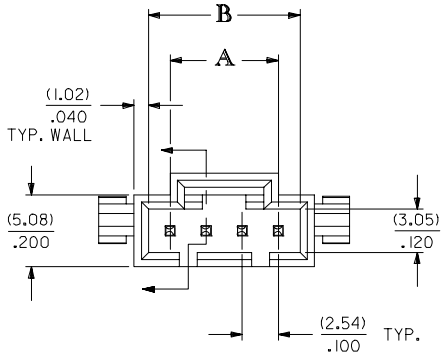
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

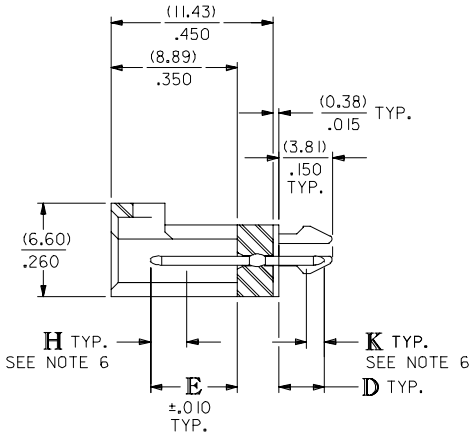


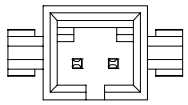


ALTERNATIVE CORING
MANUFACTURER'S OPTION

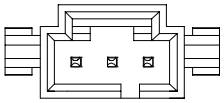
CKT. SIZE	DIM. "A" MM	DIM. "A" IN.	DIM. "B" MM	DIM. "B" IN.
2	2.54	.100	5.33	.210
3	5.08	.200	8.13	.320
4	7.62	.300	10.67	.420
5	10.16	.400	13.21	.520
6	12.70	.500	15.75	.620
7	15.24	.600	18.29	.720
8	17.78	.700	20.83	.820
9	20.32	.800	23.37	.920
10	22.86	.900	25.91	1.020







2 CIRCUIT



3 CIRCUIT

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.

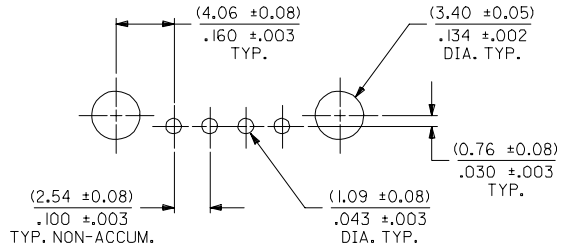
PLATING:

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.



RECOMMENDED PC BOARD LAYOUT

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

2	C
1	C
SHT	REV

ADD LEAD FREE #'S
EC NO: UCP2006-0364 2005/12/12
DRWN:BSMART 2005/12/19
CH'KD:BBARKER 2005/12/19
APPR:SMILLER 2005/12/19
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	RKA	DATE 04/07/15
CHECKED BY	BB	DATE 04/07/15
APPROVED BY	SM	DATE 04/07/15

TITLE: SALES ASSY, SL VERTICAL HEADER W/LATCH & SPLIT PEGS (2.54)/.100 CENTERS

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-70541-001
SHEET NO.: 1 OF 2

SIZE C

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CIRCUIT SIZE	ASSEMBLY ITEM NUMBER 70541	MANUFACTURE RELEASE STATUS				D REF.	E ± .010	CONNECTOR END PLATING TYPE	H MEAS.		P.C. BOARD END PLATING TYPE	K MEAS.	
2-10		R.F.M.				(3.30) .130	(6.10) .240	TIN	(2.54) .100		TIN	(1.27) .050	
11-25													
2-10	-9036-9044	R.F.M.				(3.30) .130	(6.10) .240	15 GOLD	(2.54) .100		TIN	(1.27) .050	
11-25													
2-10		R.F.M.				(3.30) .130	(6.10) .240	30 GOLD	(2.54) .100		TIN	(1.27) .050	
11-25													
						(3.30) .130	(6.10) .240	30 GOLD	(2.54) .100		TIN	(1.27) .050	
6-10	-9075-9079	R.F.M.											
2-10		R.F.M.				(3.30) .130	(6.10) .240	TIN	(2.54) .100		TIN	(1.27) .050	

CIRCUIT SIZE	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER
2		70541-9036				
3						
4		70541-9038				
5		70541-9039				
6		70541-9040	70541-9075			
7		70541-9041				
8		70541-9042	70541-9077			
9		70541-9043				
10		70541-9044	70541-9079			
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

"X" IN COLUMN UNDER "ASSEMBLY ITEM NUMBER" HEADING DENOTES TOOLING NOT AVAILABLE

ADD -9039,-9040,-9042
EC NO: UCP2006-0364
DRWN:BSMART 2005/12/12
CHKD:BBARKER 2005/12/19
APPR:SMILLER 2005/12/19
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	RKA	04/07/15
CHECKED BY	BB	04/07/15
APPROVED BY	SM	04/07/23

TITLE: HEADER STRAIGHT MOUNT .100 GRID S.L.

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-70541-001
SHEET NO.: 2 OF 2
SIZE: C

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