

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0015913214](#)
Status: **Active**
Description: 2.54mm (.100") Pitch SL™ Wire-to-Board Header, Low Profile, Surface Mount, Single Row, Right Angle, .120" Pocket, Shrouded, with Press-fit Plastic Peg, 21 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

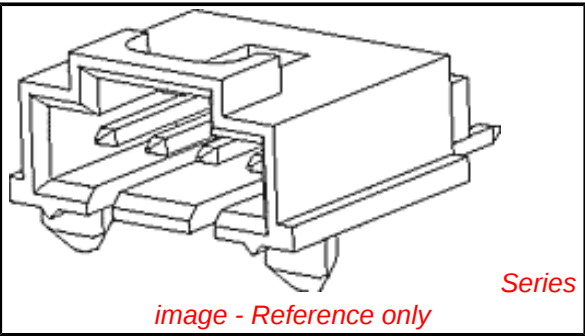
Product Family	PCB Headers
Series	70634
Application	Wire-to-Board
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	21
Circuits (maximum)	21
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
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
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
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	3A
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EU RoHS	China RoHS
Compliance Status	
Not Reviewed	
REACH SVHC	
Not Reviewed	
Halogen-Free Status	
Not Reviewed	

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.

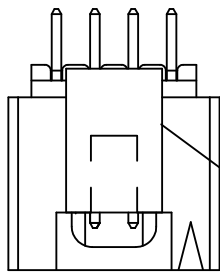
Search Parts in this Series
[70634Series](#)

Mates With
[70066n](#) , [70066g](#) , [70430g](#) , [70400g](#) Housing

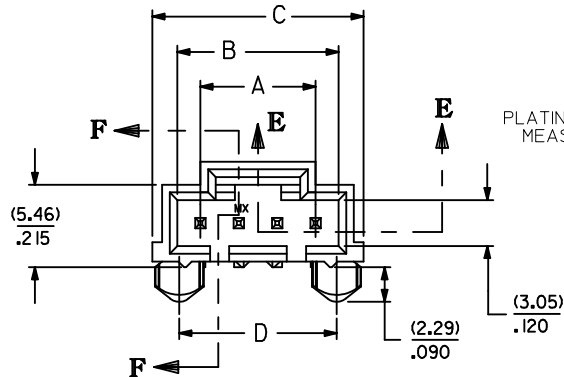
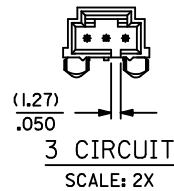
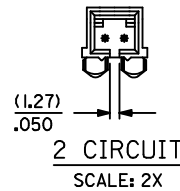
Voltage - Maximum	250V
Solder Process Data	
Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	260
Material Info	
Old Part Number	70634-0020
Reference - Drawing Numbers	
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70634-****

This document was generated on 03/30/2010

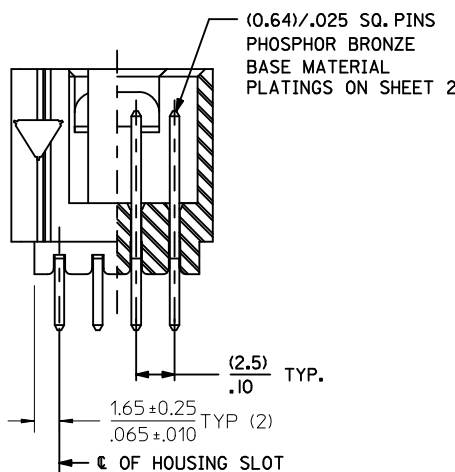
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KAPTON TAPE
SEE NOTE 6 AND 7



OPTION "E"

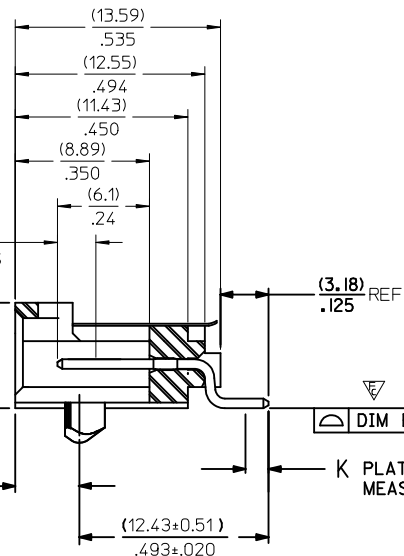


SECTION E-E

H
PLATING THICKNESS
MEASURE POINT

(6.99)
.275

(4.24)
.167

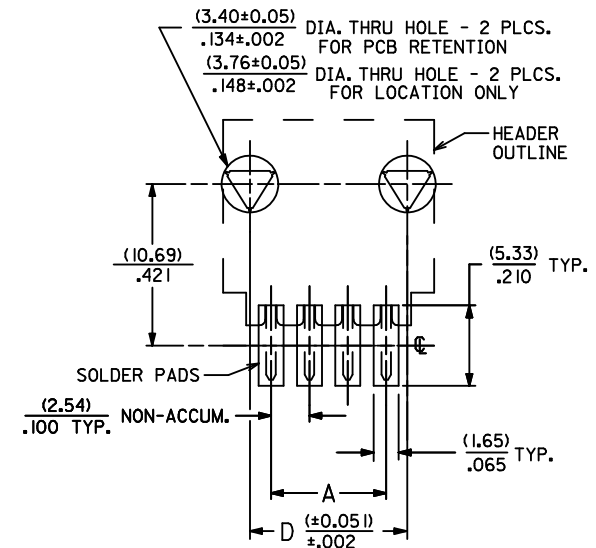


SECTION F-F

NOTES

- 1) HOUSING MATERIAL: HIGH TEMPERATURE GLASS FILLED POLYESTER, 94V-0, COLOR: BLACK.
PIN MATERIAL: PHOSPHOR BRONZE
- 2) HEADER MATES TO 70400-**** AND 70430-**** OPTION "G" SERIES CONNECTORS.
- 3) FOR PACKAGING OPTIONS REFER TO CHART ON SHEET 2.
- 4) SEE SHEET 2 FOR PIN PLATINGS.
- 5) REFER TO MOLEX PRODUCT SPECIFICATION PS-70541.
- 6) SEE CHART ON SHEET 2 TO DETERMINE PART NUMBERS WITH KAPTON TAPE.
- 7) KAPTON TAPE ADDED FOR PICK AND PLACE SYSTEMS. REMOVE KAPTON TAPE AFTER SOLDERING TO PREVENT INTERFERENCE WITH LATCH ON MATING PART.

CKT. SIZE	"A"		"B"		"C"		"D"		"E"	
	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.
2	2.54	.100	5.33	.210	8.64	.340	5.33	.210	0.13	.005
3	5.08	.200	8.13	.320	11.43	.450	7.87	.310	0.13	.005
4	7.62	.300	10.67	.420	13.97	.550	10.41	.410	0.13	.005
5	10.16	.400	13.21	.520	16.51	.650	12.95	.510	0.13	.005
6	12.70	.500	15.75	.620	19.05	.750	15.49	.610	0.13	.005
7	15.24	.600	18.29	.720	21.59	.850	18.03	.710	0.13	.005
8	17.78	.700	20.83	.820	24.13	.950	20.57	.810	0.13	.005
9	20.32	.800	23.37	.920	26.67	1.050	23.11	.910	0.13	.005
10	22.86	.900	25.91	1.020	29.21	1.150	25.65	1.010	0.13	.005
11	25.40	1.000	28.45	1.120	31.75	1.250	28.19	1.110	0.13	.005
12	27.94	1.100	30.99	1.220	34.29	1.350	30.73	1.210	0.13	.005
13	30.48	1.200	33.53	1.320	36.83	1.450	33.27	1.310	0.13	.005
14	33.02	1.300	36.07	1.420	39.37	1.550	35.81	1.410	0.13	.005
15	35.56	1.400	38.61	1.520	41.91	1.650	38.35	1.510	0.13	.005
16	38.10	1.500	41.15	1.620	44.45	1.750	40.89	1.610	0.15	.006
17	40.64	1.600	43.69	1.720	46.99	1.850	43.43	1.710	0.15	.006
18	43.18	1.700	46.23	1.820	49.53	1.950	45.97	1.810	0.15	.006
19	45.72	1.800	48.77	1.920	52.07	2.050	48.51	1.910	0.15	.006
20	48.26	1.900	51.31	2.020	54.61	2.150	51.05	2.010	0.15	.006
21	50.80	2.000	53.85	2.120	57.15	2.250	53.59	2.110	0.18	.007
22	53.34	2.100	56.39	2.220	59.69	2.350	56.13	2.210	0.18	.007
23	55.88	2.200	58.93	2.320	62.23	2.450	58.67	2.310	0.18	.007
24	58.42	2.300	61.47	2.420	64.77	2.550	61.21	2.410	0.18	.007
25	60.96	2.400	64.01	2.520	67.31	2.650	63.75	2.510	0.18	.007



RECOMMENDED P.C. BOARD PAD LAYOUT

MODIFY DIM. TOL. EC NO: UCP2010-1709 DRWN:MSBARRA 2010/01/28 CHKD:EIK 1993/06/02 APPR:SMILLER 2010/02/08	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY EIK	DATE 1993/06/02	TITLE SALES ASSEMBLY SMT HEADER - RIGHT ANGLE .100 CENTERS W/PCB PEGS		
			4 PLACES	± .005	± .005	CHECKED BY EIK	DATE 1993/06/02	MOLEX MOLEX INCORPORATED		
			3 PLACES	± .010	± .010	APPROVED BY SMILLER	DATE 2010/02/08			
			2 PLACES	± 0.13	± .010	MATERIAL NO.	DOCUMENT NO.			
1 PLACE	± 0.25	± .010	SEE TABLE		SDA-70634-****		1 OF 2			
REV			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	ENGINEERING NUMBER A-70634-		MANUFACTURE RELEASE STATUS										PLATING TYPE SEE BELOW		CONNECTOR END PLATING		PLATING		P.C. BOARD END PLATING						PACKAGING		J																																																																														
													TYPE		H MEASURE POINT		TYPE		K MEASURE POINT		KAPTON TAPE		OPTION		PACKAGE PER PK-70873																																																																																
	-0001-0024		R.F.M.										TIN		TIN		(2,54) .100		TIN		(1,27) .050		NO		TUBE		-016																																																																														
	-0036-0059		R.F.M.										15 GOLD		GOLD		(2,54) .100		TIN		(1,27) .050		NO		TUBE		-016																																																																														
I	-0071-0094		R.F.M.										30 GOLD		GOLD		(2,54) .100		TIN		(1,27) .050		NO		TUBE		-016																																																																														
	-0106-0129		R.F.M.										TIN		TIN		(2,54) .100		TIN		(1,27) .050		YES		CARRIER TAPE		-001																																																																														
	-0141-0164		R.F.M.										15 GOLD		GOLD		(2,54) .100		TIN		(1,27) .050		YES		CARRIER TAPE		-001																																																																														
H	-0176-0199		R.F.M.										30 GOLD		GOLD		(2,54) .100		TIN		(1,27) .050		YES		CARRIER TAPE		-001																																																																														
G	CKTS	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	CKTS	G																																																																														
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	03	15-91-3034	A-70634-0002	15-91-2035	A-70634-0037	15-91-3033	A-70634-0072	15-91-6039	A-70634-0107	15-91-7030	A-70634-0142	15-91-7031	A-70634-0177				03																																																																																								
	04	15-91-3044	A-70634-0003	15-91-2045	A-70634-0038	15-91-3043	A-70634-0073	15-91-6049	A-70634-0108	15-91-7040	A-70634-0143	15-91-7041	A-70634-0178				04																																																																																								
	05	15-91-3054	A-70634-0004	15-91-2055	A-70634-0039	15-91-3053	A-70634-0074	15-91-6059	A-70634-0109	15-91-7050	A-70634-0144	15-91-7051	A-70634-0179				05																																																																																								
	06	15-91-3064	A-70634-0005	15-91-2065	A-70634-0040	15-91-3063	A-70634-0075	15-91-6069	A-70634-0110	15-91-7060	A-70634-0145	15-91-7061	A-70634-0180				06																																																																																								
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F	08	15-91-3084	A-70634-0007	15-91-2085	A-70634-0042	15-91-3083	A-70634-0077	15-91-6089	A-70634-0112	15-91-7080	A-70634-0147	15-91-7081	A-70634-0182				08																																																																																								
	09	15-91-3094	A-70634-0008	15-91-2095	A-70634-0043	15-91-3093	A-70634-0078	15-91-6099	A-70634-0113	15-91-7090	A-70634-0148	15-91-7091	A-70634-0183				09																																																																																								
	10	15-91-3104	A-70634-0009	15-91-2105	A-70634-0044	15-91-3103	A-70634-0079	15-91-6109	A-70634-0114	15-91-7100	A-70634-0149	15-91-7101	A-70634-0184				10																																																																																								
	11	15-91-3114	A-70634-0010	15-91-2115	A-70634-0045	15-91-3113	A-70634-0080	15-91-6119	A-70634-0115	15-91-7110	A-70634-0150	15-91-7111	A-70634-0185				11																																																																																								
	12	15-91-3124	A-70634-0011	15-91-2125	A-70634-0046	15-91-3123	A-70634-0081	15-91-6129	A-70634-0116	15-91-7120	A-70634-0151	15-91-7121	A-70634-0186				12																																																																																								
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E	15	15-91-3154	A-70634-0014	15-91-2155	A-70634-0049	15-91-3153	A-70634-0084	15-91-6159	A-70634-0119	15-91-7150	A-70634-0154	15-91-7151	A-70634-0189				15																																																																																								
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	22	15-91-3224	A-70634-0021	15-91-2225	A-70634-0056	15-91-3223	A-70634-0091	15-91-6229	A-70634-0126	15-91-7220	A-70634-0161	15-91-7221	A-70634-0196				22																																																																																								
	23	15-91-3234	A-70634-0022	15-91-2235	A-70634-0057	15-91-3233	A-70634-0092	15-91-6239	A-70634-0127	15-91-7230	A-70634-0162	15-91-7231	A-70634-0197				23																																																																																								
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	25	15-91-3254	A-70634-0024	15-91-2255	A-70634-0059	15-91-3253	A-70634-0094	15-91-6259	A-70634-0129	15-91-7250	A-70634-0164	15-91-7251	A-70634-0199				25																																																																																								
C	PLATING TYPE																											C																																																																													
	TIN		TIN (Sn) OVER ENTIRE PIN; THICKNESS=(3.75 MICROMETER)/75 MICROINCH MINIMUM; NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.																																																																																																						
	15 GOLD		SELECTIVE GOLD (Au) IN THE CONTACT AREA; THICKNESS=(0.37 MICROMETER)/15 MICROINCH MINIMUM; SELECTIVE TIN (Sn) IN THE PC TAIL AREA; THICKNESS=(1.88 MICROMETER)/75 MICROINCH MINIMUM; NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.																																																																																																						
B	30 GOLD		SELECTIVE GOLD (Au) IN THE CONTACT AREA; THICKNESS=(0.75 MICROMETER)/30 MICROINCH MINIMUM; SELECTIVE TIN (Sn) IN THE PC TAIL AREA; THICKNESS=(1.88 MICROMETER)/75 MICROINCH MINIMUM; NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.																									B																																																																													
A																												A																																																																													
<table><tr><td rowspan="5">SEE SHEET 1 EC NO: UCP2010-1709 DRAWN BY: S. BARRA CHKD BY: E. K APPR: S. MILLER REV J</td><td rowspan="5">2010/01/28 1993/06/02 2010/02/08</td><td rowspan="5">DESCRIPTION</td><td rowspan="5">QUALITY SYMBOLS</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM/IN</td><td>SCALE</td><td>DESIGN UNITS INCH</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td colspan="2"></td><td colspan="2">DRAWN BY DATE</td><td colspan="2">TITLE</td></tr><tr><td colspan="2">4 PLACES ± --- ± ---</td><td colspan="2">EIK 1993/06/02</td><td colspan="2">SALES ASSEMBLY</td></tr><tr><td colspan="2">3 PLACES ± --- ± .005</td><td colspan="2">CHECKED BY DATE</td><td colspan="2">SMT HEADER - RIGHT ANGLE</td></tr><tr><td colspan="2">2 PLACES ± 0.13 ± .010</td><td colspan="2">EIK 1993/06/02</td><td colspan="2">.100 CENTERS W/PCB PEGS</td></tr><tr><td colspan="2">1 PLACE ± 0.25 ± ---</td><td colspan="2">APPROVED BY DATE</td><td colspan="2">MOLEX MOLEX INCORPORATED</td></tr><tr><td colspan="2"></td><td colspan="2">SMILLER 2010/02/08</td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">ANGULAR ±1/2°</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2"></td><td colspan="2">MATERIAL NO. SEE TABLE</td><td colspan="2">DOCUMENT NO. SDA-70634-****</td><td colspan="2">SHEET NO. 2 OF 2</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2">SIZE C</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td colspan="2"></td></tr></table>																												SEE SHEET 1 EC NO: UCP2010-1709 DRAWN BY: S. BARRA CHKD BY: E. K APPR: S. MILLER REV J	2010/01/28 1993/06/02 2010/02/08	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				DRAWN BY DATE		TITLE		4 PLACES ± --- ± ---		EIK 1993/06/02		SALES ASSEMBLY		3 PLACES ± --- ± .005		CHECKED BY DATE		SMT HEADER - RIGHT ANGLE		2 PLACES ± 0.13 ± .010		EIK 1993/06/02		.100 CENTERS W/PCB PEGS		1 PLACE ± 0.25 ± ---		APPROVED BY DATE		MOLEX MOLEX INCORPORATED				SMILLER 2010/02/08						ANGULAR ±1/2°								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-70634-****		SHEET NO. 2 OF 2						SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
SEE SHEET 1 EC NO: UCP2010-1709 DRAWN BY: S. BARRA CHKD BY: E. K APPR: S. MILLER REV J	2010/01/28 1993/06/02 2010/02/08	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION																																																																																															
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				3 PLACES ± --- ± .005		CHECKED BY DATE		SMT HEADER - RIGHT ANGLE																																																																																																	
				2 PLACES ± 0.13 ± .010		EIK 1993/06/02		.100 CENTERS W/PCB PEGS																																																																																																	
1 PLACE ± 0.25 ± ---		APPROVED BY DATE		MOLEX MOLEX INCORPORATED																																																																																																					
		SMILLER 2010/02/08																																																																																																							
ANGULAR ±1/2°																																																																																																									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-70634-****		SHEET NO. 2 OF 2																																																																																																	
				SIZE C		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																																																																																	