

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0015913144](#)
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, 14 Circuits, Tin (Sn) Plating

Documents:
[3D Model](#) [Product Specification PS-70400 \(PDF\)](#)
[Drawing \(PDF\)](#) [Product Specification PS-70541 \(PDF\)](#)
[Packaging Specification \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

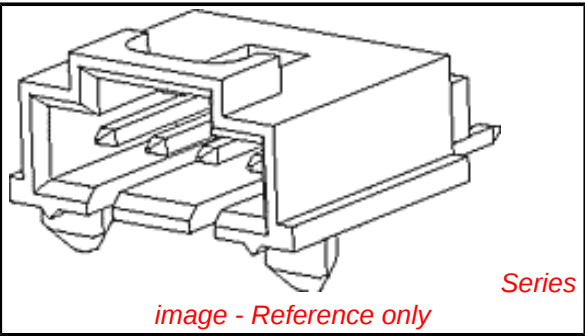
Product Family PCB Headers
Series [70634](#)
Application Wire-to-Board
Product Name SL™

Physical

Breakaway No
Circuits (Loaded) 14
Circuits (maximum) 14
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



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

[70634Series](#)

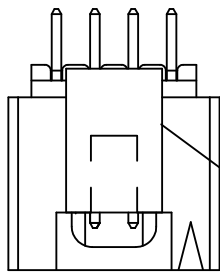
Mates With

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

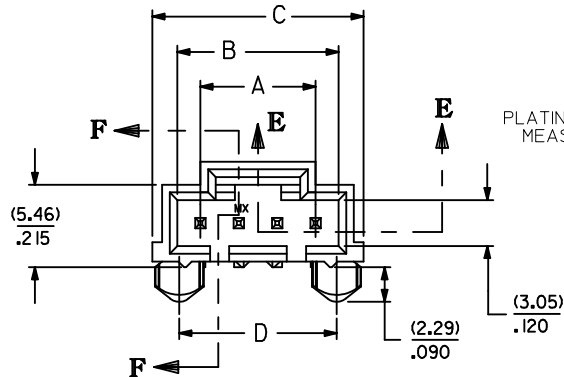
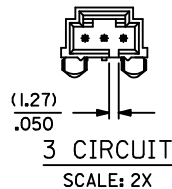
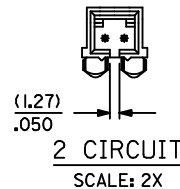
Voltage - Maximum	250V
Solder Process Data	
Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	260
Material Info	
Old Part Number	70634-0013
Reference - Drawing Numbers	
Product Specification	PS-70400, PS-70541
Sales Drawing	SDA-70634-****

This document was generated on 03/30/2010

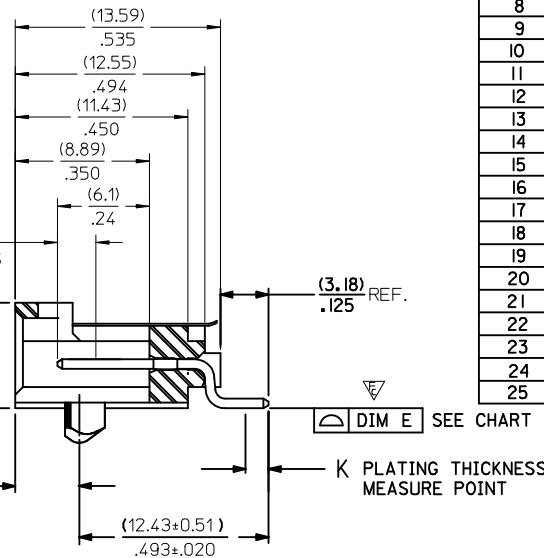
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



KAPTON TAPE
SEE NOTE 6 AND 7



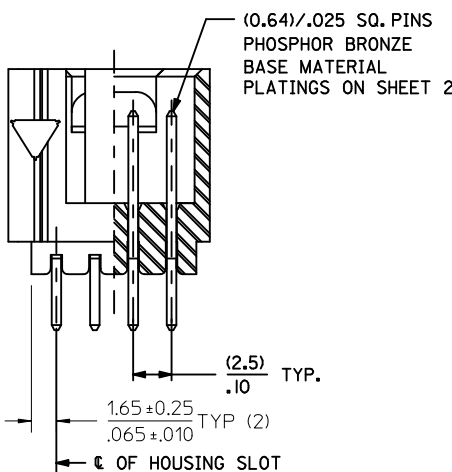
OPTION "E"



SECTION F-F

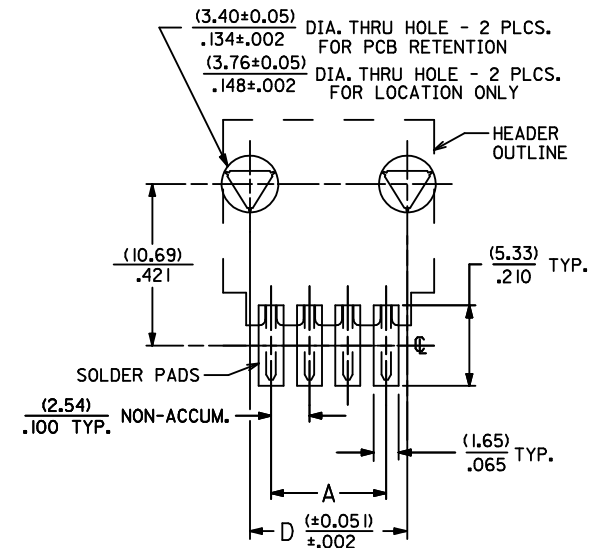
NOTES

- 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.



SECTION E-E

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 CHKD:EIK APPR:SMILLER REV	QUALITY SYMBOLS	DESCRIPTION	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 INCORPORATED		
			3 PLACES	± .010	± .010	APPROVED BY SMILLER	DATE 2010/02/08			
			2 PLACES	± 0.13	± .010	MATERIAL NO.				
			1 PLACE	± 0.25	± .010	SEE TABLE		SDA-70634-****		
ANGULAR ±1/2°			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		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		P.C. BOARD END PLATING				PACKAGING									
													TYPE		H MEASURE POINT		TYPE		K MEASURE POINT		KAPTON TAPE		OPTION		PACKAGE PER PK-70873					
I	-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			
	-0071-0094		R.F.M.										30 GOLD		GOLD		(2,54) .100		TIN		(1,27) .050		NO		TUBE		-016			
H	-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			
	-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				
	02	I5-91-3024	A-70634-0001	I5-91-2025	A-70634-0036	I5-91-3023	A-70634-0071	I5-91-6029	A-70634-0106	I5-91-7020	A-70634-0141	I5-91-7021	A-70634-0176													02				
	03	I5-91-3034	A-70634-0002	I5-91-2035	A-70634-0037	I5-91-3033	A-70634-0072	I5-91-6039	A-70634-0107	I5-91-7030	A-70634-0142	I5-91-7031	A-70634-0177													03				
F	04	I5-91-3044	A-70634-0003	I5-91-2045	A-70634-0038	I5-91-3043	A-70634-0073	I5-91-6049	A-70634-0108	I5-91-7040	A-70634-0143	I5-91-7041	A-70634-0178													04				
	05	I5-91-3054	A-70634-0004	I5-91-2055	A-70634-0039	I5-91-3053	A-70634-0074	I5-91-6059	A-70634-0109	I5-91-7050	A-70634-0144	I5-91-7051	A-70634-0179													05				
	06	I5-91-3064	A-70634-0005	I5-91-2065	A-70634-0040	I5-91-3063	A-70634-0075	I5-91-6069	A-70634-0110	I5-91-7060	A-70634-0145	I5-91-7061	A-70634-0180													06				
E	07	I5-91-3074	A-70634-0006	I5-91-2075	A-70634-0041	I5-91-3073	A-70634-0076	I5-91-6079	A-70634-0111	I5-91-7070	A-70634-0146	I5-91-7071	A-70634-0181													07				
	08	I5-91-3084	A-70634-0007	I5-91-2085	A-70634-0042	I5-91-3083	A-70634-0077	I5-91-6089	A-70634-0112	I5-91-7080	A-70634-0147	I5-91-7081	A-70634-0182													08				
	09	I5-91-3094	A-70634-0008	I5-91-2095	A-70634-0043	I5-91-3093	A-70634-0078	I5-91-6099	A-70634-0113	I5-91-7090	A-70634-0148	I5-91-7091	A-70634-0183													09				
D	10	I5-91-3104	A-70634-0009	I5-91-2105	A-70634-0044	I5-91-3103	A-70634-0079	I5-91-6109	A-70634-0114	I5-91-7100	A-70634-0149	I5-91-7101	A-70634-0184													10				
	11	I5-91-3114	A-70634-0010	I5-91-2115	A-70634-0045	I5-91-3113	A-70634-0080	I5-91-6119	A-70634-0115	I5-91-7110	A-70634-0150	I5-91-7111	A-70634-0185													11				
	12	I5-91-3124	A-70634-0011	I5-91-2125	A-70634-0046	I5-91-3123	A-70634-0081	I5-91-6129	A-70634-0116	I5-91-7120	A-70634-0151	I5-91-7121	A-70634-0186													12				
C	13	I5-91-3134	A-70634-0012	I5-91-2135	A-70634-0047	I5-91-3133	A-70634-0082	I5-91-6139	A-70634-0117	I5-91-7130	A-70634-0152	I5-91-7131	A-70634-0187													13				
	14	I5-91-3144	A-70634-0013	I5-91-2145	A-70634-0048	I5-91-3143	A-70634-0083	I5-91-6149	A-70634-0118	I5-91-7140	A-70634-0153	I5-91-7141	A-70634-0188													14				
	15	I5-91-3154	A-70634-0014	I5-91-2155	A-70634-0049	I5-91-3153	A-70634-0084	I5-91-6159	A-70634-0119	I5-91-7150	A-70634-0154	I5-91-7151	A-70634-0189													15				
B	16	I5-91-3164	A-70634-0015	I5-91-2165	A-70634-0050	I5-91-3163	A-70634-0085	I5-91-6169	A-70634-0120	I5-91-7160	A-70634-0155	I5-91-7161	A-70634-0190													16				
	17	I5-91-3174	A-70634-0016	I5-91-2175	A-70634-0051	I5-91-3173	A-70634-0086	I5-91-6179	A-70634-0121	I5-91-7170	A-70634-0156	I5-91-7171	A-70634-0191													17				
	18	I5-91-3184	A-70634-0017	I5-91-2185	A-70634-0052	I5-91-3183	A-70634-0087	I5-91-6189	A-70634-0122	I5-91-7180	A-70634-0157	I5-91-7181	A-70634-0192													18				
A	19	I5-91-3194	A-70634-0018	I5-91-2195	A-70634-0053	I5-91-3193	A-70634-0088	I5-91-6199	A-70634-0123	I5-91-7190	A-70634-0158	I5-91-7191	A-70634-0193													19				
	20	I5-91-3204	A-70634-0019	I5-91-2205	A-70634-0054	I5-91-3203	A-70634-0089	I5-91-6209	A-70634-0124	I5-91-7200	A-70634-0159	I5-91-7201	A-70634-0194													20				
	21	I5-91-3214	A-70634-0020	I5-91-2215	A-70634-0055	I5-91-3213	A-70634-0090	I5-91-6219	A-70634-0125	I5-91-7210	A-70634-0160	I5-91-7211	A-70634-0195													21				
	22	I5-91-3224	A-70634-0021	I5-91-2225	A-70634-0056	I5-91-3223	A-70634-0091	I5-91-6229	A-70634-0126	I5-91-7220	A-70634-0161	I5-91-7221	A-70634-0196													22				
	23	I5-91-3234	A-70634-0022	I5-91-2235	A-70634-0057	I5-91-3233	A-70634-0092	I5-91-6239	A-70634-0127	I5-91-7230	A-70634-0162	I5-91-7231	A-70634-0197													23				
	24	I5-91-3244	A-70634-0023	I5-91-2245	A-70634-0058	I5-91-3243	A-70634-0093	I5-91-6249	A-70634-0128	I5-91-7240	A-70634-0163	I5-91-7241	A-70634-0198													24				
	25	I5-91-3254	A-70634-0024	I5-91-2255	A-70634-0059	I5-91-3253	A-70634-0094	I5-91-6259	A-70634-0129	I5-91-7250	A-70634-0164	I5-91-7251	A-70634-0199													25				
	PLATING TYPE																													
	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.																											
	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.																											