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Part Number: [0015912085](#)
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, 8 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	70634
Application	Wire-to-Board
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
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	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)	15
Plating min: Mating (µm)	0.375
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.875
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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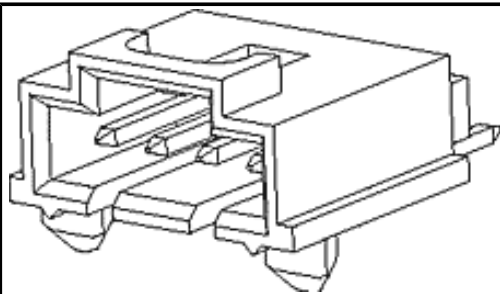


image - Reference only

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

[70634Series](#)

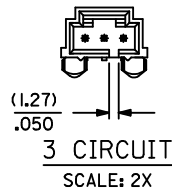
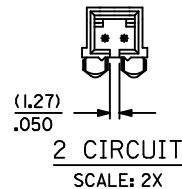
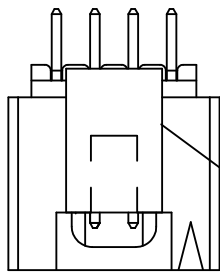
Mates With

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

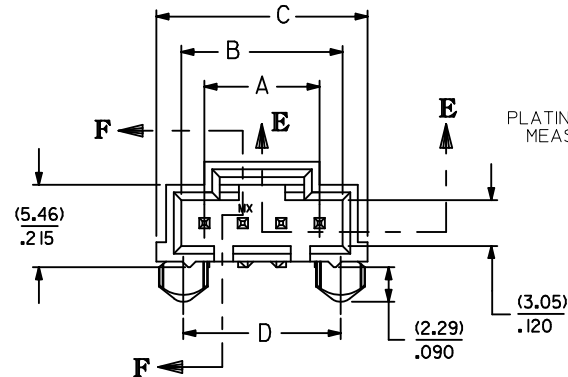
Voltage - Maximum	250V
Solder Process Data	
Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	260
Material Info	
Old Part Number	70634-0042
Reference - Drawing Numbers	
Product Specification	PS-70400, PS-70541, RPS-70634-001
Sales Drawing	SDA-70634-****

This document was generated on 04/09/2010

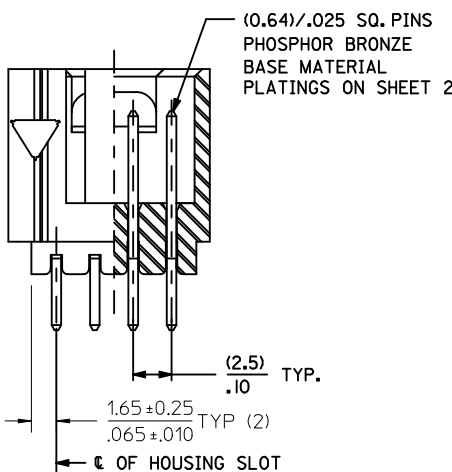
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KAPTON TAPE
SEE NOTE 6 AND 7



OPTION "E"

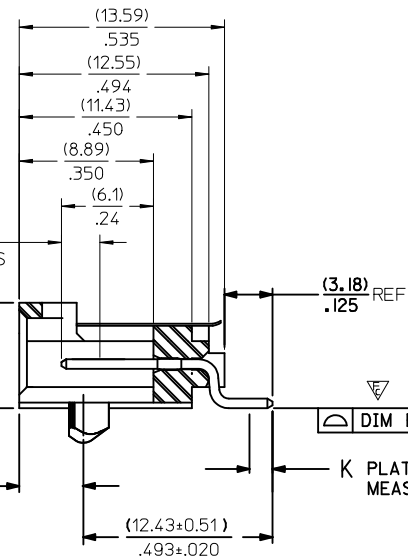


SECTION E-E

H
PLATING THICKNESS
MEASURE POINT

(6.99)
.275

(4.24)
.167

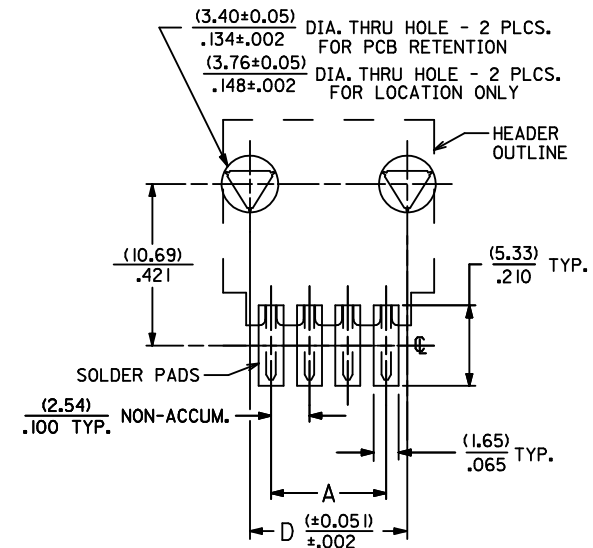


SECTION F-F

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.				SHEET NO.
			1 PLACE	± 0.25	± .010	SEE TABLE					SDA-70634-****
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	P.C. BOARD		END PLATING			PACKAGING												
									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	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					
	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					
	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					
F	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					
	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					
	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					
E	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					
	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					
	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					
D	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																												
C	TIN	TIN (Sn) OVER ENTIRE PIN; THICKNESS=(3.75 MICROMETER)/75 MICROINCH MINIMUM; NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.																										C	
	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