

Connector

FFC/FPC Connectors

KLS1-1242E 0.5mm Pitch, SMT Pin, Upper Contact, With Zif-Lock Type

Material:

Housing: LCP UL94V-0

Plug spring: phosphor bronze, Tin Plated / Gold Plated

Soldering lug: phosphor bronze, Tin Plated / Gold Plated

Electrical Characteristics:

Rated current: 0.4A

Rated voltage: 50V

Withstand voltage: 200V

Contact resistance: $\leq 20\text{m}\Omega$

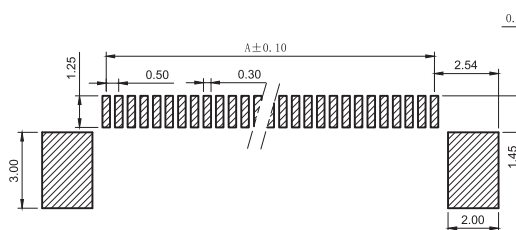
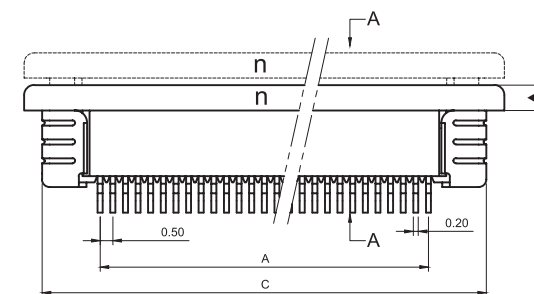
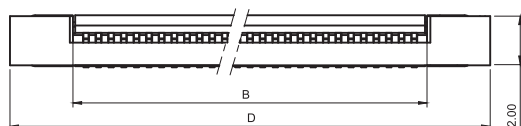
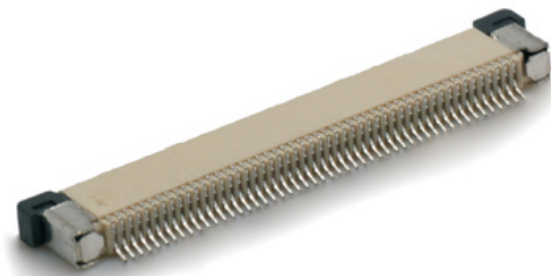
Insulation resistance: $500\text{M}\Omega$

Operating Temperature: -20°C To $+85^{\circ}\text{C}$

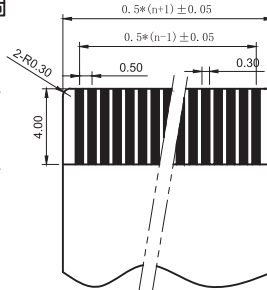
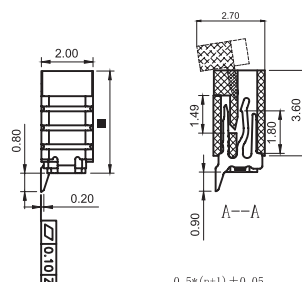
Note:

When the PIN number is 30PIN or less, the lock is made of PA46.

When the PIN number is above 30PIN, the lock is made of LCP



PCB Layout



Suitable for flat cable

Note:

“▲”size

4Pin~29Pin: 1.50mm;

30Pin~39Pin: 1.60mm;

40Pin~60Pin: 1.70mm;

“■”size

4Pin~29Pin: 4.70mm;

30Pin~39Pin: 4.80mm;

40Pin~60Pin: 4.90mm;

Pins	A	B	C	D
4	1.5	2.6	6.35	7.65
5	2	3.1	6.85	8.15
6	2.5	3.6	7.35	8.65
7	3	4.1	7.85	9.15
8	3.5	4.6	8.35	9.65
9	4	5.1	8.85	10.15
10	4.5	5.6	9.35	10.65
11	5	6.1	9.85	11.15
12	5.5	6.6	10.35	11.65
13	6	7.1	10.85	12.15
14	6.5	7.6	11.35	12.65
15	7	8.1	11.85	13.15
16	7.5	8.6	12.35	13.65
17	8	9.1	12.85	14.15
18	8.5	9.6	13.35	14.65
19	9	10.1	13.85	15.15
20	9.5	10.6	14.35	15.65
21	10	11.1	14.85	16.15
22	10.5	11.6	15.35	16.65
23	11	12.1	15.85	17.15
24	11.5	12.6	16.35	17.65
25	12	13.1	16.85	18.15
26	12.5	13.6	17.35	18.65
27	13	14.1	17.85	19.15
28	13.5	14.6	18.35	19.65
29	14	15.1	18.85	20.15
30	14.5	15.6	19.35	20.65
31	15	16.1	19.85	21.15
32	15.5	16.6	20.35	21.65
33	16	17.1	20.85	22.15
34	16.5	17.6	21.35	22.65
35	17	18.1	21.85	23.15
36	17.5	18.6	22.35	23.65
37	18	19.1	22.85	24.15
38	18.5	19.6	23.35	24.65
39	19	20.1	23.85	25.15
40	19.5	20.6	24.35	25.65
41	20	21.1	24.85	26.15
42	20.5	21.6	25.35	26.65
43	21	22.1	25.85	27.15
44	21.5	22.6	26.35	27.65
45	22	23.1	26.85	28.15
46	22.5	23.6	27.35	28.65
47	23	24.1	27.85	29.15
48	23.5	24.6	28.35	29.65
49	24	25.1	28.85	30.15
50	24.5	25.6	29.35	30.65
51	25	26.1	29.85	31.15
52	25.5	26.6	30.35	31.65
53	26	27.1	30.85	32.15
54	26.5	27.6	31.35	32.65
55	27	28.1	31.85	33.15
56	27.5	28.6	32.35	33.65
57	28	29.1	32.85	34.15
58	28.5	29.6	33.35	34.65
59	29	30.1	33.85	35.15

ORDER INFORMATION

Product NO.: KLS1-242E-2.0-XX-T-U-R

Height 2.0mm
No. of 04 ~ 60pin
Pack: T=Tube R=Reel
U=Upper Contact L=Lower Contact
T=SMT Pin

FFC/FPC Connectors

KLS1-1242E 0.5mm Pitch, SMT Pin, Lower Contact, With Zif-Lock Type

Material:

Housing: LCP UL94V-0

Plug spring: phosphor bronze, Tin Plated / Gold Plated

Soldering lug: phosphor bronze, Tin Plated / Gold Plated

Electrical Characteristics:

Rated current: 0.4A

Rated voltage: 50V

Withstand voltage: 200V

Contact resistance: $\leq 20\text{m}\Omega$

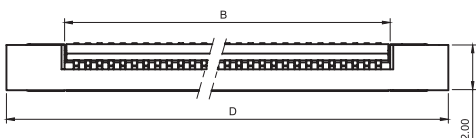
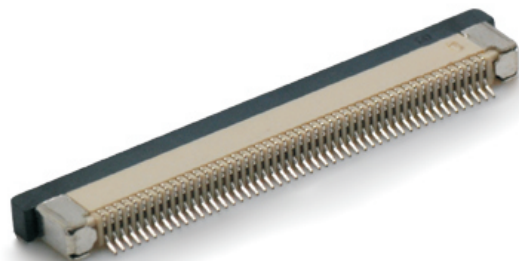
Insulation resistance: 500M Ω

Operating Temperature: -20°C To +85°C

Note:

When the PIN number is 30PIN or less, the lock is made of PA46.

When the PIN number is above 30PIN, the lock is made of LCP



Note:

“▲”size

4Pin~29Pin: 1.50mm;

30Pin~39Pin: 1.60mm;

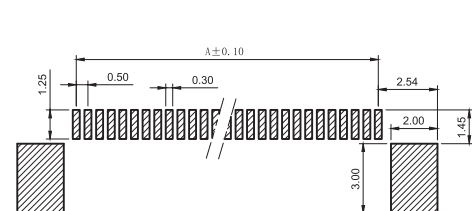
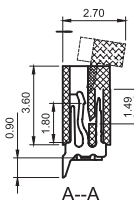
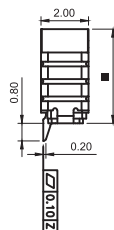
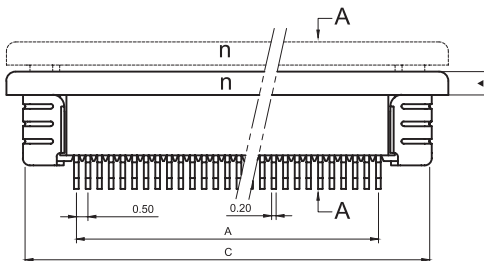
40Pin~60Pin: 1.70mm;

“■”size

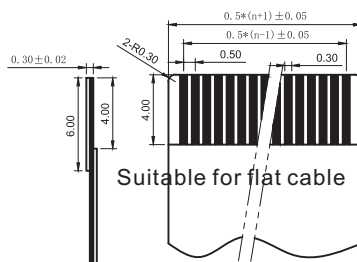
4Pin~29Pin: 4.70mm;

30Pin~39Pin: 4.80mm;

40Pin~60Pin: 4.90mm;



PCB Layout



Suitable for flat cable

Pins	A	B	C	D
4	1.5	2.6	6.35	7.65
5	2	3.1	6.85	8.15
6	2.5	3.6	7.35	8.65
7	3	4.1	7.85	9.15
8	3.5	4.6	8.35	9.65
9	4	5.1	8.85	10.15
10	4.5	5.6	9.35	10.65
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15	7	8.1	11.85	13.15
16	7.5	8.6	12.35	13.65
17	8	9.1	12.85	14.15
18	8.5	9.6	13.35	14.65
19	9	10.1	13.85	15.15
20	9.5	10.6	14.35	15.65
21	10	11.1	14.85	16.15
22	10.5	11.6	15.35	16.65
23	11	12.1	15.85	17.15
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25	12	13.1	16.85	18.15
26	12.5	13.6	17.35	18.65
27	13	14.1	17.85	19.15
28	13.5	14.6	18.35	19.65
29	14	15.1	18.85	20.15
30	14.5	15.6	19.35	20.65
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32	15.5	16.6	20.35	21.65
33	16	17.1	20.85	22.15
34	16.5	17.6	21.35	22.65
35	17	18.1	21.85	23.15
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Insulation resistance: 500M Ω

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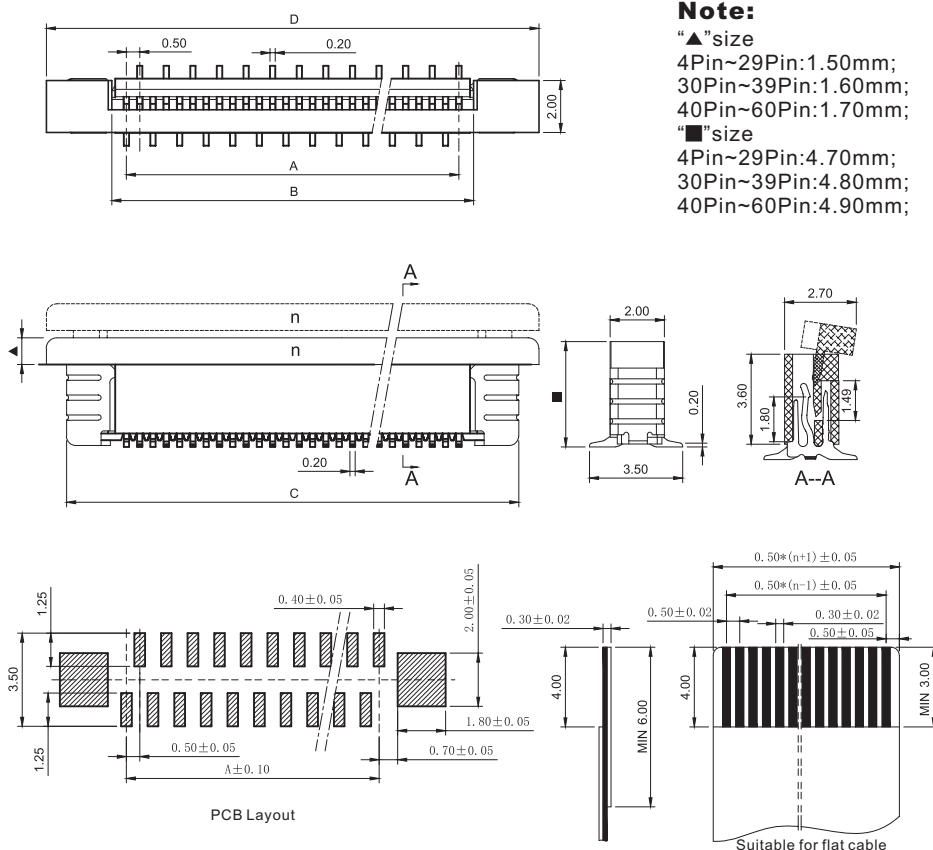
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I



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50	24.5	25.6	29.35	30.65
51	25	26.1	29.85	31.15
52	25.5	26.6	30.35	31.65
53	26	27.1	30.85	32.15
54	26.5	27.6	31.35	32.65
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59	29	30.1	33.85	35.15

ORDER INFORMATION

Product NO.: KLS1-242E-2.0-XX-T-R

Series No. _____ Pack: T=Tube R=Reel
Height 2.0mm _____ T=SMT Pin
No. of 04 ~ 60pin