

FPGA实验底板V1.1

彩灯区

数码管

交通灯

电源开关

风扇

温度传感器

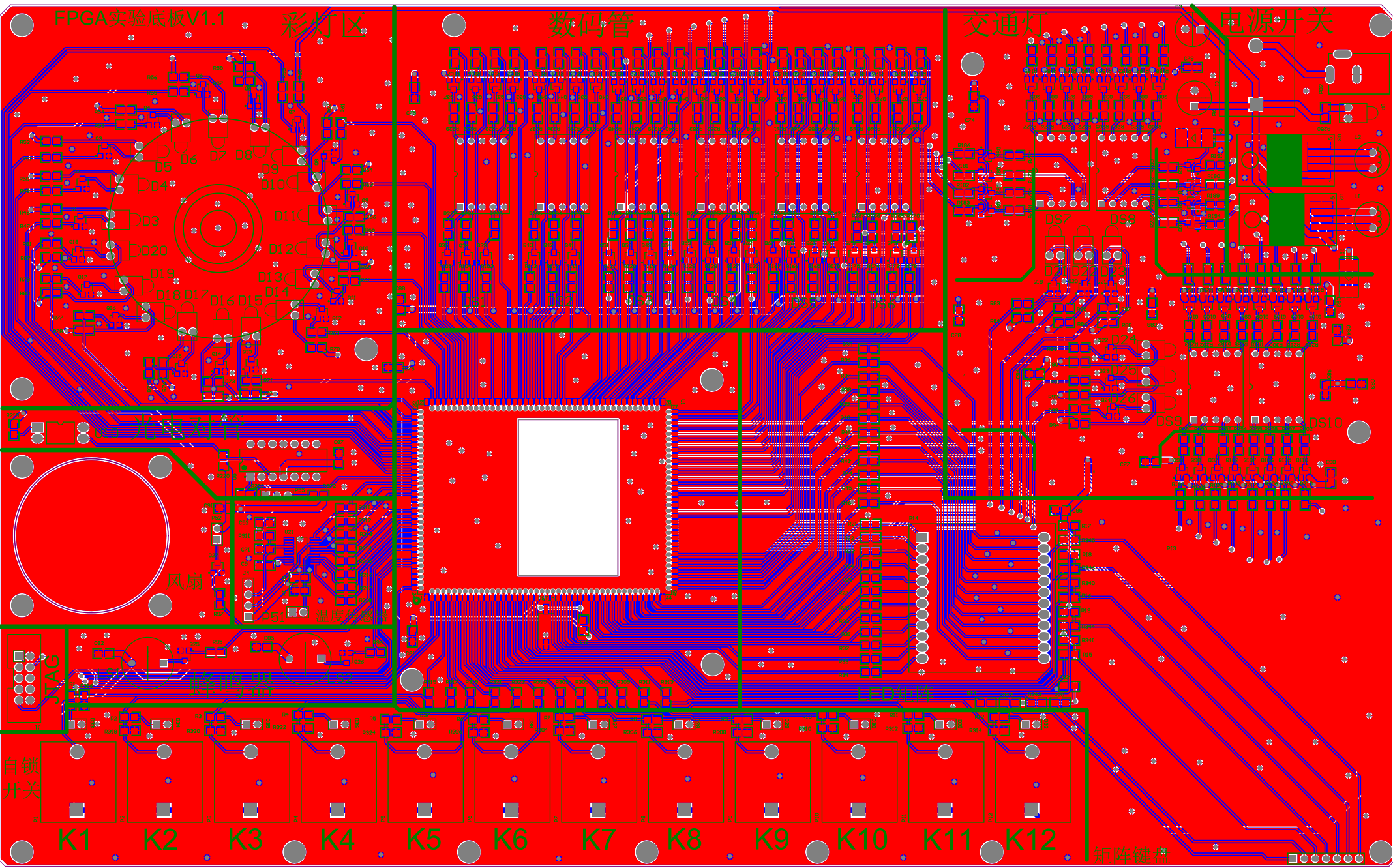
JTAG

蜂鸣器

矩阵键盘

K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K11 K12

自锁开关



Comment	Description	Designator	Footprint	Library	Quantity
220u70v	Capacitor	C1, C3	CAP	CAPACITOR POL	2
220u50v	Capacitor	C2, C4	C4P	CAPACITOR POL	2
1uF	Capacitor	C5, C52	0805	Cap	2
0.1uF	Capacitor	C71, C72, C73, C74, C75, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95	0805	Cap	25
1N5622	Schottky Diode	D1, D2	1N4007	DIODE SCHOTTKY	2
LED1	Typical RED GaAs LED	D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27	LED-1	LED1	25
LED1	Typical RED GaAs LED	D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38	HDR1X2	LED1	12
Dry Blue-CA	14.2mm General Purpose Blue 7-Segment Display: CA, RH DP, Gray Surface	D51, D52, D53A, D54, D55, D56, D57, D58, D59, D59	LED7DP	Dry Blue-CA	10
JTAG	JTAG	J1	JTAG-10	JTAG-10_Dup1	1
1# 4 Pin	Header, 4-Pin	H4	HDR1X4	Header 4	1
3.3uH	Inductor	L1, L2	3.3uH	INDUCTOR1	2
Buzzer	Magnetic Transducer/Buzzer	L51, L52	蜂鸣器	Buzzer	2
Header 2	Header, 2-Pin	P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13	自研并光DP2	Header 2	13
Header 3	Header, 3-Pin	P02	DC005	Header 3	1
Header 7	Header, 7-Pin	P13	HDR1X7	Header 7	1
Header 12GA	Header, 12-Pin, Dual row	P14	灰色LED原理DP24	Header 12GA	1
Header 2	Header, 2-Pin	P51, P52	HDR1X2	Header 2	2
Header 3	Header, 3-Pin	P53	HDR1X3	Header 3	1
S8850	Transistor	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24	80T-Z3R	S8850L1	24
9013	NPN General Purpose Amplifier	Q25, Q26, Q27	SOT-Z3R	2N2904	3
8550	PNP General Purpose Amplifier	Q31, Q32, Q33, Q34, Q35, Q36, Q37, Q38, Q40, Q41, Q42, Q43, Q44, Q45, Q47, Q48, Q49, Q50, P1, Q52, Q53, Q54, Q55, Q56, Q57, Q58, Q59, Q60, Q61, Q62, Q63, Q64, Q65, Q66, Q67, Q68, Q69, Q70, Q71, Q72, Q73, Q74, Q75, Q76, Q77, Q78, Q79, Q80, Q81, Q82, Q83, Q84, Q85, Q86, Q87, Q88, Q89, Q90, Q91, Q92, Q93, Q94, Q95, Q96, Q97, Q98, Q99, Q100, Q101, Q102, Q103, Q104, Q105, Q106, Q107, Q108, Q109, Q110	SOT-Z3R	2N2906	78
10K	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R17, R18, R19, R20, R46, R50, R52, R53, R56, R58, R60, R62, R64, R66, R68, R70, R72, R74, R76, R78, R80, R82, R84, R86, R88, R90, R92, R94, R96, R200, R304, R306, R308, R310, R312, R314, R316, R318, R320, R322, R324, R326, R330, R341, R342, R311	0805	Res2	57
	Resistor	R13, R36, R66, R67, R69, R71, R73, R75, R77, R79, R81, R83, R85, R87, R89, R91, R93, R101, R102, R103, R104, R105, R106, R107, R109, R110, R111, R112, R113, R114, R115, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191, R192, R193, R194, R195, R196, R197, R198, R199, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	0805	Res1, Res2	4
	Resistor	R40, R51, R55, R57, R59, R61, R63, R65, R67, R69, R71, R73, R75, R77, R79, R81, R83, R85, R87, R89, R91, R93, R101, R102, R103, R104, R105, R106, R107, R109, R110, R111, R112, R113, R114, R115, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191, R192, R193, R194, R195, R196, R197, R198, R199, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	0805	R, Res2	212
501	Resistor	R21, R22, R23, R24, R25, R27, R28, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46	0805	Res2	24
06	IC	IC0	0605	R	1
B1	IC	IC0	0605	R	1
SW-PB	Switch	RST_n1	贴片按钮	SW-PB	1
EPACE610_FPGAC	IC	U1	FPGAcore	EPACE610_FPGAC	1
LM2596-5	IC	U2	TO-263	LM2596	1
LM2596-3.3	IC	U3	TO-263	LM2596	1
LM324	IC	U5	DIP-14	LM324	1
Optoisolator1	IC	U10	贴片DIP4	Optoisolator1	1
STM8S003F3 TSSQ	IC	U21	TSSOP20	STM8S003F3 TSSQ	1