注：焊接电阻是0，不焊接电阻是1

U1 TTP229-L

Pin			Pin
	SLPSENA VSS	28	GND
2	TP3 SKMS1 VDD	27	+3.3
3	TP2 KYSEL TP4	26	SKMS0 TP4
4	SENADJ0 TP5	25	WPSCT TP5
5	TP1 SAHL SENADJ1	24	
6	TP0 TP6	23	SLWPTM TP6
7	TP15 TP7	22	SKSRT TP7
8	TP14 TEST	21	
9	SENADJ3 TP8	20	TP8
10	TP13 TP9	19	TP9
11	TP12 SENADJ2	18	TP10
12	SDA TP10	17	TP10
13	SDO TP11	16	TP11
14	SCL SLPSENB	15	C9 15pF

C3 15pF, C4 15pF, C7 22pF, C5 22pF, C8 22pF, C9 15pF
C1 102, C2 104
R5 10K SDA, R6 10K SCL
R3 1M KYSEL

SAHL 串行输出 1=低电平有效 0=高电平有效
KYSEL 1=8键 0=16键
SKMS1 SKMS0 11全部单键有效
WPSCT 1=8HZ 0=64HZ
SLWPTM 1=唤醒检测时间4ms 0=2ms
SKSRT 1=按键输出时间无穷大 0=60S

U2 74HC595

Pin			Pin
14	DS VCC	16	+3.3
13	QE Q0	15	
12	ST_CP Q1	1	
11	SH_CP Q2	2	
10	MR Q3	3	
9	Q7' Q4	4	
8	GND Q5	5	
	Q6	6	
	Q7	7	

C10 104
595_DAT 14, 595_ST 12, 595_CLK 11

R7 150R LED1_R
R8 150R LED1_G
R9 150R LED2_R
R10 150R LED2_G
R11 150R LED3_R
R12 150R LED3_G
R13 150R LED4_R
R14 150R LED4_G
R15 150R LED5_R
R16 150R LED5_G
R17 150R LED6_R
R18 150R LED6_G
R19 150R LED7_R
R20 150R LED7_G
R21 150R LED8_R
R22 150R LED8_G

U3 74HC595

Pin			Pin
14	DS VCC	16	+3.3
13	QE Q0	15	
12	ST_CP Q1	1	
11	SH_CP Q2	2	
10	MR Q3	3	
9	Q7' Q4	4	
8	GND Q5	5	
	Q6	6	
	Q7	7	

C11 104

R23 150R LED9_R
R24 150R LED9_G
R25 150R LED10_R
R26 150R LED10_G
R27 150R LED11_R
R28 150R LED11_G
R29 150R LED12_R
R30 150R LED12_G
R31 150R LED13_R
R32 150R LED13_G
R33 150R LED14_R
R34 150R LED14_G
R35 150R LED15_R
R36 150R LED15_G
R37 150R LED16_R
R38 150R LED16_G

SDA R2 470R, 8550(SOT23) V1, C6 1u
R1 10k, R4 470R, TP_INT, 8050(SOT23) V2

P1 Header 4X2
TP_INT 1 2 595_DAT
SDA 3 4 595_ST
SCL 5 6 595_CLK
7 8

D1 Red Green 2xLED LED1_R, LED1_G
D2 Red Green 2xLED LED2_R, LED2_G
D3 Red Green 2xLED LED3_R, LED3_G
D4 Red Green 2xLED LED4_R, LED4_G
D5 Red Green 2xLED LED5_R, LED5_G
D6 Red Green 2xLED LED6_R, LED6_G
D7 Red Green 2xLED LED7_R, LED7_G
D8 Red Green 2xLED LED8_R, LED8_G
D9 Red Green 2xLED LED9_R, LED9_G
D10 Red Green 2xLED LED10_R, LED10_G
D11 Red Green 2xLED LED11_R, LED11_G
D12 Red Green 2xLED LED12_R, LED12_G
D13 Red Green 2xLED LED13_R, LED13_G
D14 Red Green 2xLED LED14_R, LED14_G
D15 Red Green 2xLED LED15_R, LED15_G
D16 Red Green 2xLED LED16_R, LED16_G

TP0 TouchPad1
TP8 TouchPad2
TP1 TouchPad3
TP9 TouchPad4
TP2 TouchPad5
TP10 TouchPad6
TP3 TouchPad7
TP11 TouchPad8
TP4 TouchPad9
TP12 TouchPad10
TP5 TouchPad11
TP13 TouchPad12
TP6 TouchPad13
TP14 TouchPad14
TP7 TouchPad15
TP15 TouchPad16

Bill of Materials

<Parameter Title not found>

Source Data From: **PCB_Project1.PrjPCB**

Project: **PCB_Project1.PrjPCB**

Variant: **None**

Creation Date: 2018/5/12 16:43:26

Print Date: 43232 43232.69723

Footprint	Comment	LibRef	Designator	Description	Quantity
0603p	102	电容-NPO-0603	C1	0603/NPO	1
0603p	104	电容-NPO-0603	C2, C10, C11	0603/NPO	3
0603p	15pF	Cap	C3, C4, C9	Capacitor	3
0603p	22pF	Cap	C5, C7, C8	Capacitor	3
0603p	1u	电容-NPO-0603	C6	0603/NPO	1
LED	2xLED	2xLED	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16		16
HDR2X4	Header 4X2	Header 4X2	P1	Header, 4-Pin, Dual row	1
0603p	10k	Res2, 电阻-0603	R1, R5, R6	0603/0.1000w/75v, Resistor	3
0603p	470R	电阻-0603	R2, R4	0603/0.1000w/75v	2
0603p	1M	电阻-0603	R3	0603/0.1000w/75v	1
0603p	150R	电阻-0603	R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38	0603/0.1000w/75v	32
TOUCHKEY	TouchPad	TouchPad	TouchPad1, TouchPad2, TouchPad3, TouchPad5, TouchPad6, TouchPad7, TouchPad9, TouchPad10, TouchPad11, TouchPad13, TouchPad14, TouchPad15		12
TOUCHKEYbig	TouchPad	TouchPad	TouchPad4, TouchPad8, TouchPad12, TouchPad16		4
LC-SSOP-28_150mil	TTP229-L	TTP229-L	U1		1
LC-SOP-16_150mil	74HC595	74HCT595	U2, U3		2
SOT-23R	8550(SOT23)	8550(SOT23)	V1		1
SOT-23R	8050(SOT23)	8050(SOT23)	V2		1
					87

Approved	Notes	