



Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor	C1, C4, C7, C37	0603C	Cap	4
220uF/25V		C2, C5, C35	CAP 2.5*6.3*11.2	E01	3
680uF/35V		C3	CAP 5.0*10*16	E01	1
18pF/10V	Capacitor	C6, C10	0603C	Cap	2
0.01uF/10V	Capacitor	C8, C9, C20, C21	0603C	Cap	4
1nF	Capacitor	C11	0603C	Cap	1
0.1uF/275V	Capacitor	C12, C13	CBB 10*12*8	Cap	2
ESD9M5.0S-DTVS105		D1	DO-35	ESD9M5.0S-DTVS105	1
SS34	Zener Diode	DW3	SMA	ZENER2	1
5x20/30A	Fuse	F1	FU BLX-A	Fuse 1	1
30R/5A		FB1, FB2	L 0805	INDUCTOR1	2
BELL	Bell	HYR-1708	BEEP 5x9x5.5	BELL	1
CDRH127-100uH		L2	CDRH74	INDUCTOR1	1
	Typical INFRARED GaAs LED	LED2	LED 0805R	LED0	1
MHDR1X4	Header, 4-Pin	P1, P12	MX 1.25-LS-4P	MHDR1X4	2
Header 2	Header, 2-Pin	P2, P9	VH3.96-LI-2P	Header 2	2
Header 3	Header, 3-Pin	P3	XH2.54-LI-3P	Header 3	1
Header 3	Header, 3-Pin	P4	MX 1.25-LS-3P	Header 3	1
Header 2	Header, 2-Pin	P5	PH2.0-LS-2P	Header 2	1
Header 2	Header, 2-Pin	P6, P7, P11	XH2.54-LI-2P	Header 2	3
Header 2	Header, 2-Pin	P8, P10	KF2EDGK5.08-LI-2P	Header 2	2
S8050		Q1, Q2	SOT23-3	2N1069_1	2
AO3401A		Q3	SOT23-3M	NMOS	1
SCR	Silicon Controlled Rectifier	Q4	TOP-3	SCR	1
10K/5%	Resistor	R1, R3, R6, R17	0603r	Res2	4
4K7		R2, R33	0603R	RES1	2
510	Resistor	R4	0603r	Res2	1
1K	Resistor	R5	RS 1W	Res2	1
100	Resistor	R7	RS 1W	Res2	1
0	Resistor	R8	R 0805_M	Res2	1
1M/5%	Resistor	R9	0603R	Res2	1
TP	TEST_3P	TOUCH_PAD	SRP12-34-25-P	TOUCH_PAD	1
A4950		U1, U2	SOIC_8_EP	A4950	2
Optoisolator2	5 Pin Mini Flat Pack Optocoupler	U3	DIP6-300	Optoisolator2	1
REF3012AIDBZR		U4	SOT23-3N	REF3012	1
STM32F10xC8T6		U6	LQFP48 7X7_N	STM32F100C8T6	1
LM2596-3.3		U8	TO263-5A	LM2576	1
8MHz	Crystal Oscillator	Y1	OSC 5032-2P	XTAL	1