Ref Qty C1 1 C2 C5 2 C3 2		
C5 2	Value	Notes
C5 2	47uF/25v, 5mm	pre-regulator; electrolytic or tantalum
7	100n	power filter for MCU and board power; film or ceramic
	10nF	hardware debounce; film or ceramic; higher values probably ok
C4	10uF/6.3v, 5mm	post-regulator; electric or tantalum
CLR1 1	10-15k	only populate if using PCB LED connections; suggest 10-15k for high efficiency LED
R1 R2 R3 R4 R5 5	1k	
D1 1	1N5817	input polarity protection
D2 D3 2	SB160 or 1n5817	coil flyback voltage protection for transistors; 1n4148 probably OK, but Shottky best
LED1 1	LOW CURRENT/ULTRA BRIGHT	TRA BRIGHT to taste, low current/ultra bright recommended for lowest power consumption
Q1 Q2 Q3 3	2N7000	N-Channel MOSFET, bs170 OK; NPN BJT likely ok too (but untested); mind pinout
K1 1	TQ2-2L-3V or EC2-3TNU	3.3v two-coil latching relay
1	LP2950-3.3_TO92	3.3v regulator; cheaper 78L33 OK, be careful of pinout
U2 1	PIC10F320-IP or PIC10F322-IP	