

RefDes	Value	Quantity	Source
C1	0.47uF 50V	1	Kemet C1206C474K5RACTU
C2, C3	47u 35V	2	Nichicon UWX1V470MCL1GB
C4, C5, C6	10uF 35v	3	TAIYO YUDEN GMK316BJ106KL-T
D1		1	Vishay SS2P2L-M3/84A
J1, J2, J5		3	4 Pin 0.1" Female Header
J3, J6, J7		3	2 Pin 0.1" Male Header
J4		1	CUI PJ-007
JP1, JP2		2	2x3Pin 0.1" Male Header
LED1	IR LED	1	Vishay VSMB10940X01
PD1	IR Photodiode	1	Vishay VEMD10940FX01
PS1	5VDC	1	Murata OKI-78SR-5/1.5-W36-C
Q1	100V 10A	1	IR IRLR120N
R1, R5, R7, R8	1k	4	Generic 1206
R2	100	1	Generic 1206
R3		1	Panasonic EVM-3WSX80B54
R4	DNP	1	
R6	2k	1	Generic 1206
R9, R10	10k	2	Generic 1206
S1	SPDT	1	Omron D2FS-FL-N-A
S2	DPDT	1	Uxcell US-SA-AJD-58048
U1		1	HC-05 or -06 6pin 0.1" R/A Female Header
U2		1	Arduino Nano (2) 1x15 0.1" Female Header
U3, U4		2	StepStick (2) 8 Pin 0.1" Female Header