































Comment	Designator	Description	Footprint	Quantity
(OPT)1nF	C2	Capacitor	0603 CAP	1
(OPT)2k2	R3	Resistor	0603	1
(OPT)100k	R2	Resistor	0603	1
(OPT)470k	R1, R13	Resistor	0805	2
(OPT)NPN BC817	Q5	NPN Bipolar Transistor	SOT-23	1
0.001	R15		2512	1
0.001	R20		1225	1
1k	R4, R5, R6, R18, R19		0603 RES	5
1nF	C9, C12	Capacitor	0603 CAP	2
1uF	C8	Capacitor	0805	1
5V1	D2, D3	Zener Diode	SOT-23 2 PIN	2
10	R11		0603 RES	1
10k	R12		0603 RES	1
10k	R9, R10	Resistor	0603	2
10uF	C1, C4, C14	Capacitor	0805	3
22uF	C3	Capacitor	0805	1
100	R21		0805	1
100k	R7, R8, R17		0603 RES	3
100nF	C10, C11	Capacitor	0603 CAP	2
220k	R16		0603 RES	1
CON1	J2, J9	Connector	HD 11mm 1P	2
CON1	J4, J6, J7	Connector	HD-351 1P	3
CON2	J5	Connector	HD-351 2P	1
CON3	J8	Connector	SIP3	1
CON5	J1	Connector	SIP5 - PGM	1
DIODE	D4	Diode	SMA + SOT23	1
LED CELL	J3	Connector	SIP2	1
LM78L05	U1		SO-8 VOLTREG	1
LM78L12	U4		SO-8 VOLTREG	1
MOSFET N	Q4		D2-Pack - 7	1
MOSFET P	Q6		SOT-23	1
NPN BC817	Q1, Q2	NPN Bipolar Transistor	SOT-23	2
PIC16F1828	U2	Microcontroller	SOIC20WIDE	1
PNP BC807	Q3	PNP Bipolar Transistor	sot-23	1
SW SPST	S1, S2		TactBut	2