

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor, Capacitor (Semiconductor SIM Model)	C1, C2, C3, C4, C8, C10, C11, C12, C13, C14, C17, C18, C19, C20, C21, C22, C23, C26, C27, C28, C29, C30, C31, C32, C34, C35, C39, C41	C0603	Cap, CAP_1, Cap Semi	28
0.1uF		C5, C6	SMC0603	CAP NP	2
10uF	Capacitor	C7, C9	C0603	CAP_1	2
20pF	Capacitor	C15, C16	C0603	CAP_1	2
100PF	Capacitor (Semiconductor SIM Model)	C24	C0603	Cap Semi	1
0.01uF	Capacitor (Semiconductor SIM Model)	C25	C0603	Cap Semi	1
1uF	Capacitor	C33	C0603	Cap	1
4700p	Capacitor (Semiconductor SIM Model)	C36, C37, C43, C44	C0603	Cap Semi	4
2200p	Capacitor (Semiconductor SIM Model)	C38, C45	C0603	Cap Semi	2
100p	Capacitor (Semiconductor SIM Model)	C40	C0603	Cap Semi	1
1000p	Capacitor (Semiconductor SIM Model)	C42	C0603	Cap Semi	1
XS12K4P		CON1		XS12K4P	1
BNC		CON2, CON3		BNC	2
100uF	Polarized Capacitor (Radial)	CT1, CT2, CT3, CT4	C7343	Cap Pol1	4
4P(3.96mm 1*4)	Header, 2-Pin	J1, J3	HDR1X2	Header 2	2
Photo Sen		J2	Photo Sen	Photo Sen	1
4P(3.96mm 1*4)	Header, 3-Pin	J4	HDR1X3	Header 3	1
YHDC LN112-1.5	Transformer	L1	YHDC LN112	Trans	1
1.024M		OSC1		OSCILLACTOR	1
MMBT3904	NPN Transistor	Q1, Q2	SOT23-3	NPN	2
SI4410DY		Q3	SOP8-50-150	SI4410DY	1
1K	Resistor	R1, R2, R10, R11, R13, R14, R17, R19, R22, R25	AXIAL-0.4	Res2	10
100	Resistor	R3	AXIAL-0.4	Res2	1
24		R4, R5, R6, R7	SMC0603	R2	4
2K	Resistor	R8, R21, R23, R26, R27, R29,	AXIAL-0.4	Res2	7
50	Resistor	R9, R12, R15, R28, R30	AXIAL-0.4	Res2	5
1M	Potentiometer	R16, R24	VR5	RPot	2
10K	Resistor	R18	AXIAL-0.4	Res2	1
2.2K	Resistor	R20	AXIAL-0.4	Res2	1
10K	Resistor, Semiconductor Resistor	R32, R33, R35, R36	R0603	Res2, Res Semi	4
1K	Semiconductor Resistor	R34	R0603	Res Semi	1
0	Resistor, Semiconductor Resistor	R37, R38	R1206	Res2, Res Semi	2
POT2		RW1, RW2, RW3, RW4	T-RV	POT2	4
SW-PB	SW-PB	SW1	SW-PB-6mm	SW-PB	1
1SMB10AT3	Zener Diode	TVS1, TVS2,	DO-214AA	D Zener	3
P6SMB6.8	Zener Diode	TVS4, TVS5	DO-214AA	D Zener	2
74HC02		U1		74HC00	1
74HC4040		U2		74HC4040	1
AD8603		U3	SOT23-5	AD8603	1
AD8276		U4	8UMAX	AD8276	1
DAC900		U5		DAC900	1
OPA2350		U6, U8		OPA2350	2
ADB304		U7		AD8304	1
AD8606		U9		AD8606	1
MAX4635		U10		MAX4635	1
74HC74		U11		74HC74	1
MAX811T		U12	SOT-143	MAX811T	1
MAX4272		U13	SOP8-50-150	MAX4272	1
SW-1-2		W1		SW-1-2	1
Inductor	Inductor	Z1, Z2, Z3, Z4	Z1206	Inductor	4