

Line #	Name	Description	Designator	Quantity	Footprint	Value	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	TH, cap		C1, C3, C4, C8, C9, C10, C12, C13	8	0805, cap	100n	KEMET	C0805C104K3RACTU	Volume Production	Mouser	80-C0805C104K3R	0,49078	4,91
	TH, cap		C2, C6, C7, C11	4	0805, cap	1u	KEMET	C0805C105K3RACTU	Volume Production	Mouser	80-C0805C105K3R	1,33	5,32
	Capacitor, TH 2mm	Capacitor TH 3.5mm	C5	1	Cap, SMD, Polar, 5.3x5.3mm	47u	Würth Electronics	865080342006	Volume Production	Mouser	710-865080342006	2,04	2,04
	0805, LED		LED1	1	LED_Radial_5mm_Standoff_10mm	0805 LED							
	1x2 Pin Header	2.54 mm, TH	P1, P2, P3	3	padtwo_L	1x2 Pin Header							
	BC547		Q1, Q2	2	BC547_TO-92_BENT								
	TH, resistor		R1, R2, R6, R14	4	0805	470k	Yageo	RC0805FR-07470KL	Volume Production	Mouser	603-RC0805FR-07470KL	0,16359	1,64
	TH, resistor		R3	1	0805	1M							
	TH, resistor		R4, R5, R8, R9, R20	5	0805	10k							
	Potentiometer	Potentiometer	R7	1	RK09_15mm	A10k							
	TH, resistor		R10	1	0805	22k	Yageo	RC0805FR-0722KL	Volume Production	Mouser	603-RC0805FR-0722KL	1,02	1,02
	TH, resistor		R11, R13	2	0805	47k	Yageo	RC0805FR-1347KL	Volume Production	Mouser	603-RC0805FR-1347KL	0,16359	1,64
	TH, resistor		R12	1	0805	2k2	Yageo	RC0805FR-072K2L	Volume Production	Mouser	603-RC0805FR-072K2L	1,02	1,02
	Potentiometer	Potentiometer	R15	1	RK09_15mm	B500k							
	TH, resistor		R16	1	0805	4k7							
	TH, resistor		R17, R21, R22, R23	4	0805	100k	Yageo	AC0805FR-7W100KL	Volume Production	Mouser	603-AC0805FR-7W100KL	0,32718	3,27
	TH, resistor		R18	1	0805	1k							
	Potentiometer	Potentiometer	R19	1	RK09_15mm	A100k							
	SPDT	Toggle switch SPDT	SW1	1	SW_SPDT_SMTS-102-A2								
	In buf out		TP1	1	testPoint	Test point							
	Out Buf In		TP2	1	testPoint	Test point							
	Vbias		TP3	1	testPoint	Test point							
	4V5		TP4	1	testPoint	Test point							
	Osc Out		TP5	1	testPoint	Test point							
	Wave Buf Out		TP6	1	testPoint	Test point							
	Optocoupler		U1	1	Optocoupler LED+LDR								
	LM358DR	IC OPAMP GP 700KHZ 8SOIC	U2, U3	2	SOIC8		Texas Instruments	LM358DR	Volume Production	Mouser	595-LM358DR	4,6	9,2