





Comment	Description	Designator	Footprint	LibRef	Manufacturer Part Number	Quantity	Supplier 1	Supplier Part Number 1	Value	Case/Package	Package / Case
100uf	Tantalum Surface Mount Capacitors – Standard Tantalum	c1	tan_cap	tant_cap	T520B107M006AT E040	1	Digi-Key	399-4008-1-ND	100uF	1411	
10uf	Tantalum Surface Mount Capacitors – Standard Tantalum	c2	tan_cap	tant_cap	T491B106K006AT	1	Digi-Key	399-3704-1-ND	10uF	1411	
SMT Ceremic capacitors	Capacitor	C3	CAPACITOR_0603	Cap	CGA3E2X8R1E10 4K080AE	1	Digi-Key	445-173658-1-ND	0.1uF		0603 (1608 Metric)
SMT Ceremic capacitors	Capacitor	C4	CAPACITOR_0603	Cap	CGA3E2C0G1H39 1J080AA	1	Digi-Key	445-5647-1-ND	390pF		0603 (1608 Metric)
SMT Ceremic capacitors	Capacitor	C5	CAPACITOR_0603	Cap	C1608X5R1C106 M080AB	1	Digi-Key	445-9065-1-ND	10uF		0603 (1608 Metric)
Diode	Diode	D1	Diode	Diode	RS1AB-13-F	1	Digi-Key	RS1AB-FDICT-ND		SMB	
Hole		F1	HOLE	Hole		1					
Hole		F2	HOLE	Hole		1					
LMV721	2.7V to 5V Comparator with Rail-to-Rail Output	G1	lm721	lm721	LMV7219M7/NO PB	1	Digi-Key	LMV7219M7/NOPBCT-ND		SC	
HEADER_1X		H1	CONNECTOR	HEADER1X5	ZHR-5	1	Digi-Key	455-1201-ND			
MMBT3904	Transistor npn	Q1	SOT95P245X110-3N	npn	BC848C-7-F	1	Digi-Key	BC848C-7FDITR-ND			SOT-23-3
MMBT3904	Transistor npn	Q2	SOT95P245X110-3N	npn	BC848C-7-F	1	Digi-Key	BC848C-7FDITR-ND			SOT-23-3
MMBT3904	Transistor npn	Q3	SOT95P245X110-3N	npn	BC848C-7-F	1	Digi-Key	BC848C-7FDITR-ND			SOT-23-3
SI2307	P-Channel 30-V (D-S) MOSFET	Q4	SI2307	SI2307	SI2307BDS-T1-E3	1	Digi-Key	SI2307BDS-T1-E3CT-ND		TO-236	
Res3	Resistor	R1	RES_0603	Res3	ERJ-3EKF1002V	1	Digi-Key	P10.0KHCT-ND	10K	0603	
Res3	Resistor	R2	RES_0603	Res3	ERJ-3EKF1002V	1	Digi-Key	P10.0KHCT-ND	2.7K	0603	
Res3	Resistor	R3	RES_0603	Res3	ERJ-3EKF1002V	1	Digi-Key	P10.0KHCT-ND	10K	0603	
Res3	Resistor	R4	RES_0603	Res3	ERJ-3EKF4701V	1	Digi-Key	P4.70KHCT-ND	4.7K	0603	
Res3	Resistor	R5	RES_0603	Res3	ERJ-3EKF4701V	1	Digi-Key	P4.70KHCT-ND	4.7K	0603	
Res3	Resistor	R6	RES_0603	Res3	ERJ-3EKF1002V	1	Digi-Key	P10.0KHCT-ND	10K	0603	
Res3	Resistor	R7	RES_0603	Res3	ERJ-3EKF1002V	1	Digi-Key	P10.0KHCT-ND	10K	0603	
Res3	Resistor	R8	RES_0603	Res3	RMCF0603FT1M0 0	1	Digi-Key	RMCF0603FT1M00CT-ND	1M	0603	
Res3	Resistor	R9	RES_0603	Res3	ERA-3AEB102V	1	Digi-Key	P1.0KDBDKR-ND	1K	0603	
Res3	Resistor	R10	RES_0603	Res3	RN73C1J45K3BTG	1	Mouser	279-RN73C1J45K3BTG	45.3K	0603	
Res3	Resistor	R11	RES_0603	Res3	RMCF0603FT1M0 0	1	Digi-Key	RMCF0603FT1M00CT-ND	1M	0603	
Test points		TP1	Test_point	TP		1					
Test points		TP2	Test_point	TP		1					
Test points		TP3	Test_point	TP		1					
Test points		TP4	Test_point	TP		1					
Test points		TP5	Test_point	TP		1					
Test points		TP8	Test_point	TP		1					
Test points		TP9	Test_point	TP		1					
LM1117MP-3.3	LDO Regulator Pos 3.3V 0.8A 4-Pin_3+Tab_ SOT-223 T/R	U1	*SOT230P696X18 0-4N	LM1117MP-3.3	LM1117IMP-3.3/NOPB	1	Digi-Key	LM1117IMP-3.3/NOPBCT-ND		SOT-223	
TS555	Timer	U2	SOP127P600X175-8N	LM555	TS555CD-T	1	Digi-Key	497-3043-1-ND			8-SOIC (0.154", 3.90mm Width)