

#	Name	Manufacturer	Part Number (Manufacturer)	Quantity	RefDes	Value	Part Number (Mouser)
1	CAP_0603	Samsung Electro-Mechanics	CL10A106MQ8NNNC	5	C1, C3, C4, C17, C19	10u	187-CL10A106MQ8NNNC
2	CAP_0603	Murata Electronics	GRM188R61A226ME15J	1	C2	22u	81-GRM188R61A226ME5J
3	CAP_0603	KEMET	CBR06C709C5GACAUTO	2	C5, C6	7p	80-CBR06C709C5GAUTO
4	CAP_0603	KEMET	C0603C104M4RAC	9	C7, C11, C12, C13, C14, C15, C16, C18, C20	0.1u	80-C0603C104M4RAC
5	CAP_0603	KEMET	C0603C309D1HACTU	1	C8	3p	80-C0603C309D1HACTU
6	1% CAP_0603	KYOCERA AVX	06035A160FAT2A	1	C9	16p	581-06035A160FAT2A
7	1% CAP_0603	Vishay	VJ0603A150FXACW1BC	1	C10	15p	77-VJ0603A150FXACBC
8	LED DIODE_0805	Würth Elektronik	150080BS75000	1	E1	blue	710-150080BS75000
9	LED DIODE_0805	Würth Elektronik	150080GS75000	1	E2	green	710-150080GS75000
10	LED DIODE_0805	Würth Elektronik	150080RS75000	1	E3	red	710-150080RS75000
11	PCB		(do not populate)	1	J1	ICSP	(do not populate)
12	microUSB	Amphenol FCI	10118192-0002LF	1	J2		649-10118192-0002LF
13	PCB		(do not populate)	1	J3	USB POWER	(do not populate)
14	PCB		(do not populate)	1	J4	LDO POWER	(do not populate)
15	PCB		(do not populate)	1	J5	GND 3V3 5V A0-A8 -->	(do not populate)
16	PCB		(do not populate)	1	J6	GND 3V3 5V B0-B8 -->	(do not populate)
17	PCB		(do not populate)	1	J7	SCOPE	(do not populate)
18	PCB		(do not populate)	1	J8	WAVE	(do not populate)
19	BNC	Molex	73100-0105	1	J9		538-73100-0105
20	PCB		(do not populate)	2	J10, J11	GND	(do not populate)
21	PCB		(do not populate)	1	J12	-5V	(do not populate)
22	RES_0603	YAGEO	RC0603FR-071KL	1	R1	1k	603-RC0603FR-071KL
23	RES_0603	YAGEO	RC0603JR-0710KL	1	R2	10k	603-RC0603JR-0710KL
24	RES_0603	KOA Speer	RK73B1JTTD270J	2	R3, R4	27	660-RK73B1JTTD270J
25	RES_0603	YAGEO	RC0603JR-0775RL	1	R5	75	603-RC0603JR-0775RL
26	RES_0603	Bourns	CR0603-FX-4700ELF	1	R6	470	652-CR0603FX-4700ELF
27	RES_0603	YAGEO	RC0603FR-13150RL	1	R7	150	603-RC0603FR-13150RL
28	1% RES_0603	YAGEO	RC0603FR-07499KL	2	R8, R9	499k	603-RC0603FR-07499KL
29	1% RES_0603	Vishay	CRCW06034K02FKEAC	2	R10, R11	4k	71-CRCW06034K02FKEAC
30	RES_0603	Vishay	CRCW06034K02FKEAC	1	R12	4k	71-CRCW06034K02FKEAC
31	Tactile	C&K	PTS815 SJM 250 SMTR LFS	2	SW1, SW2		611-PTS815SJM250SMTR
32	TP		(do not populate)	1	T1	SY	(do not populate)
33	TP		(do not populate)	1	T2	UP	(do not populate)
34	TP		(do not populate)	1	T3	D-	(do not populate)
35	TP		(do not populate)	1	T4	D+	(do not populate)
36	PIC32MK_QFN	Microchip Technology / Atmel	PIC32MK0512GPK064-I/MR	1	U1		579-0512GPK064-I/MR
37	LDO REGULATOR 3.3V	Diodes Incorporated	AZ1117CH2-3.3TRG1	1	U2		621-AZ1117CH2-3.3TRG1
38	SINGLE OP AMP	Texas Instruments	OPA863SIDBVR	1	U3		595-OPA863SIDBVR
39	DC TO DC	Microchip Technology / Atmel	TC7660EOA713	1	U4		579-TC7660EOA713
40	Crystal12	ABRACON	ABM8G-106-12.000MHZ-T	1	X1	12MHz	815-ABM8G-106-12-T