

Line #	Name	Description	Designator	Quantity	Value	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
1	KEYSTONE_99		BT1	1		Keystone Electronics		99 Unknown	Digi-Key	36-99-ND	0.33	0.33
2	C0402	0402 Ceramic Chip	C1, C3, C5, C9, C11, C12, C	12	0.1uF	Samsung	CL05F104Z05NNNC	Volume Production	Digi-Key	1276-1004-6-ND	0.019	0.228
3	C0603	0603 Ceramic Chip	C2, C4, C6, C13, C26, C29, C	10	4.7uF	Samsung	CL10A475KO8NNNC	Volume Production	Digi-Key	1276-1784-1-ND	0.194	1.94
4	C0402	0402 Ceramic Chip	C7, C8	2	4.3pF	Murata	GRM1555C1H4R3CA01D	Volume Production	Digi-Key	490-5943-6-ND	0.1	0.2
5	C0402	0402 Ceramic Chip	C10, C21	2	1uF	Samsung	CL05A105MP5NNNC	Volume Production	Digi-Key	1276-1448-1-ND	0.1	0.2
6	C0402	0402 Ceramic Chip	C14, C27, C30	3	0.022uF	Taiyo Yuden	EMK105B7223KV-F	Volume Production	Mouser	963-EMK105B7223KV-F	0.013	0.13
7	Chip Capacitor	Chip Capacitor	C17, C22	2	10 pF	Murata	GCM1555C1H100FA16D	Unknown	Digi-Key	490-14348-1-ND	0.15	0.3
8	Chip Capacitor	Chip Capacitor	C18	1	np							
9	Chip Capacitor	Chip Capacitor	C20	1	100 pF	Murata	GRM1555C1H101JA01J	Volume Production	Digi-Key	490-7754-6-ND	0.1	0.1
10	Chip Capacitor	Chip Capacitor	C23, C24	2	18 pF	KEMET	CBR04C180F5GAC	Volume Production	Digi-Key	399-8828-6-ND	0.45	0.9
11	RB521S30T1	Schottky Barrier Diode	D1	1		ON Semiconductor	RB521S30T1G	Volume Production	Digi-Key	RB521S30T1GOSCT-ND	0.15	0.15
12	D0603	0603 SMD LED	D2	1	B							
13	10 PIN	10 Pin Programmable	J1	1		Samtec	FTSH-105-01-F-D-K	Volume Production	Digi-Key	SAM8909-ND	2.78	2.78
14	73412-0110	50 Ohms, MCRF, P	J2, J4	2		Molex	73412-0110	Volume Production	Digi-Key	WM5587DKR-ND	0.77	1.54
15	402	0402 Inductor	L1, L3	2	100 nH	TDK	MLG1005SR10JT000	Volume Production	Digi-Key	445-3071-1-ND	0.1	0.2
16	402	0402 Inductor	L2	1	390 nH	TDK	MHQ1005PR39HT000	Unknown	Digi-Key	445-175487-1-ND	0.2	0.2
17	402	0402 Inductor	L4	1	91 nH	TDK	MLG1005S91NJT000	Volume Production	Digi-Key	445-6318-1-ND	0.1	0.1
18	NTR2101PT1	Small Signal MOSFET	Q1, Q3, Q4, Q5	4		ON Semiconductor	NTR2101PT1G	Volume Production	Digi-Key	NTR2101PT1GOSCT-ND	0.41	1.64
19	2N7002ET1G	Small Signal MOSFET	Q2	1		ON Semiconductor	2N7002ET1G	Volume Production	Digi-Key	2N7002ET1GOSCT-ND	0.19	0.19
20	R0402	0402 Chip Resistor	R1, R18	2	47k	Yageo	RC0402FR-0747KL	Volume Production	Digi-Key	311-47.0KLRCT-ND	0.016	0.16
21	R0402	0402 Chip Resistor	R2, R17	2	220R	TE Connectivity	CRGCQ402F220R	Unknown	Digi-Key	A129619CT-ND	0.1	0.2
22	R0402	0402 Chip Resistor	R3, R4	2	500k	Panasonic	ERJ-2RKF4993X	Volume Production	Digi-Key	P499KLDKR-ND	0.1	0.2
23	R0402	0402 Chip Resistor	R5, R6, R11, R12, R14, R15	6	1.0M	Yageo	RC0402FR-071ML	Volume Production	Digi-Key	311-1.00MLRCT-ND	0.016	0.16
24	R0402	0402 Chip Resistor	R7, R13, R16	3	220k	Bourns	CR0402-FX-1002GLF	Volume Production	Digi-Key	CR0402-FX-1002GLFCT-ND	0.1	0.3
25	Chip Resistor	Chip Resistor	R8	1	NP							
26	Chip Resistor	Chip Resistor	R9, R10	2	0	Yageo	RC0402JR-070RL	Volume Production	Digi-Key	311-0.0JRDKR-ND	0.015	0.15
27	STM32L071K	STM32 Micro ARM M0	U1	1		STMicroelectronics	STM32L071KZT6	Unknown	Digi-Key	497-18578-ND	4.46	4.46
28	RF RCVR GNSS	Concurrent GNSS	U2	1		u-blox	NEO-M8N-0	Unknown	Digi-Key	672-1008-1-ND		
29	DRV5032FBT	Hall Effect Sensor	U3	1		Texas Instruments	DRV5032FBDBZT	Unknown	Digi-Key	296-46624-1-ND	1.32	1.32
30	IC REG LINEAR	Linear Voltage Regulator	U4	1		Toshiba	TCR2EE33LM(CT	Volume Production	Digi-Key	TCR2EE33LM(CTCT-ND	0.42	0.42
31	Si4010-GT	Transmitter/MCU	U5	1	-	Silicon Labs	SI4010-C2-GT	Volume Production	Digi-Key	336-1997-5-ND	3.75	3.75
32	Gain Block		U6	1		Infineon	BGA427H6327XTSA1	Volume Production	Digi-Key	BGA427H6327XTSA1CT-ND	0.94	0.94
33	XB9X-DMUS-001		U7	1		Digi International	XB9X-DMUS-001	Volume Production	Digi-Key	602-1888-ND	36.67	36.67
34	STM809TWX	IC MPU RESET CIRCUIT	U8	1		STMicroelectronics	STM809TWX6F	Volume Production	Digi-Key	497-3339-1-ND	0.44	0.44
35	Crystal		X1	1	10 MHz	ECS International	ECS-100-10-30B-CKL-TR	Volume Production	Digi-Key	XC2106DKR-ND	0.69	0.69
36	32.768kHz	NDK RTC 12.5pF	CY1	1		NDK	NX3215SA-32.768K-STD-MUA-8	Volume Production	Digi-Key	644-1156-1-ND	0.68	0.68