

Quantity	Digi-Key Part Number	Mouser Part Number	Description	Package	Manufactuer Name	Manufactuer Part number	Components	Comments
1	568-9586-ND	771-LPC11U35FHI33501	MCU ARM/M0 USB 64K/8K.	3HVQFN 5x5mm	NXP	LPC11U35FHI33/501	U3	This design was not tested with the /401 version.
1	1586-1018-ND	902-AMW006/S	Zentri Wifi Module AMW006		Zentri	AMW006/S	U4	Also available directly from Zentri
1	AP2114H-3.3TRG1DICT-ND	621-AP2114H-3.3TRG1	LDO 3.3V 1A	SOT-223	Diodes Incorporated	AP2114H-3.3TRG1	U1	0.5A should be sufficient. Teplacement: TLV1117LV33DCYR
1	NUF2042XV6T1GOSCT-ND	863-NUF2042XV6T1G	USB ESD filter 22 Ohm	SOT-563	ON Semiconductor	NUF2042XV6T1G	U2	Could nod find 33 ohm.
2	MMBT2222ALT1GOSCT-ND	863-MMBT2222ALT1G	MMBT2222A NPN	SOT-23	ON Semiconductor	MMBT2222ALT1G	Q2, Q3	Generic
1	DTA114EET1GOSCT-ND	863-DTA114EET1G	PNP prebiased transisotor 10K	SC-75	ON Semiconductor	DTA114EET1G	Q1	Generic
1	641-1635-1-ND	750-ACPDQC3V3T-HF	TVS DIODE 3.3VWM 9.8VC 0402	SMT 0402	Comchip Technology	ACPDQC3V3T-HF	D1	
1	568-4862-1-ND	771-BAS40-05-T/R	Dual Schottky common cathode	SOT23-5	NXP	BAS40-05,215	D2	Generic
1	754-1200-ND	604-WP113GDT	LED 2x5		Kingbright	WP113GDT	D3	
1	CTX839CT-ND	774-403C35D12M00000	Crystal 12Mhz 18pf	1.5 x 3.2mm	CTS	403C35D12M00000	Y1	Generic
4	P3.00KLCT-ND	667-ERJ-2RKF3001X	Resistor 3K	SMT 0402	Panasonic	ERJ-2RKF3001X	R6, R7, R8, R11	Generic
2	P100ADCT-ND	667-ERJ-P06J101V	Resistor 100R 0.5W	SMT 0805	Panasonic	ERJ-P06J101V	R9, R12	
2	P1.50KLCT-ND	667-ERJ-2RKF1501X	Resistor 1K5	SMT 0402	Panasonic	ERJ-2RKF1501X	R1, R13	Generic
2	P10.0KLCT-ND	667-ERJ-2RKF1002X	Resistor 10K	SMT 0402	Panasonic	ERJ-2RKF1002X	R2, R3	Generic
2	493-2094-1-ND	647-UWX1A470MCL1	Cap 47uF 10V Aluminum	SMD 6.6 x 6.6mm	Nichikon	UWX1A470MCL1GB	C5, C8	
3	490-10516-1-ND	81-GRM21BR71A106KA3L	Ceramic capacitor 10uf 10% 10V	SMT 0805	Murata	GRM21BR71A106KA73L	C9, C12, C14	Generic
2	490-1536-1-ND	81-GRM39R105K16	Ceramic capacitor 1uf 10% 16V	SMT 0603	Murata	GRM188R61C105KA93D	C6, C7	Generic
8	490-6328-1-ND	81-GRM155R71C104KA8J	Ceramic capacitor 0.1uf 10% 16V	SMT 0402	Murata	GRM155R71C104KA88J	C3,C4, C10, C11, C13, C15, C16, C17	Generic
2	490-6203-1-ND	81-GRM1555C1H180FA1D	Ceramic capacitor 18pf 1% 50V	SMT 0402	Murata	GRM1555C1H180FA01D	C1, C2	Generic
1		42XL016-RC	Audio transformer 600/600. CT Optional		Xicon	42XL016-RC	T1	
1	609-4616-1-ND	649-10118193-0001LF	Micro USB connector		FCI	10118193-0001LF	J1	
1	A105008CT-ND	571-2158762	J11 6/4 Jack Right Angle		TE Connectivity AMP Connectors	215876-2	J2	
2	CKN10502CT-ND	611-PTS810SJM250SMTR	Tactile switch	3.2 x 4.2mm	C&K	PTS810 SJM 250 SMTR LFS	S1, S2	
1	306-1063-ND	816-9007-05-01	Reed Relay 5V SPST-NO Diode		Coto Technology	Coto 9007-05-01	K1	
1	36-7363-ND	534-7363	LED Spacer ~8mm		Keystone Electronics	Keystone 7363		For LED D3.
1			Antenna		Custom		Ant.	24 AWG, solid, xxx mm wire.
1			3D printed case		Custom			See .stl file
1			PCB		Custom			