



**DEFCON 17 Circuit Board Badge
Bill-of-Materials**

Note: Refer to schematic for R1, R2, R3 population requirements

Item	Quantity	Reference	Manufacturer	Manuf. Part #	Distributor	Distrib. Part #	Description
1	1	BT1	AMP	796136-1	Digi-Key	A99327-ND	Single-cell battery holder for CR2032, SMD
1a	1	N/A	Panasonic	CR2032	Digi-Key	P189-ND	CR2032 Lithium 3V Coin Cell Battery (225mAh)
2	2	C1,C2	Kemet	C0603C104K4RACTU	Digi-Key	399-1096-2-ND	0.1uF ceramic capacitor, 16V, X7R, 0603
3	1	C3	Kemet	C0603C474K4RACTU	Digi-Key	399-4922-2-ND	0.47uF ceramic capacitor, 16V, X7R, 0603
4	1	D1	Kingbright	AAA3528SURKQBDCGKC09	N/A	N/A	LED, RGB, 200/80/90mcd @ 20mA, 3.5mm x 2.8mm, SMD
5	1	MK1	Knowles Acoustics	SPM0408LE5H-TB	N/A	N/A	Microphone, 20dB internal pre-amp, SMD
6	3	R1,R2,R3	Panasonic	ERJ-3GEY0R00V	Digi-Key	P0.0GTR-ND	0 ohm, 5%, 1/10W, 0603
7	2	R4,R5	Panasonic	ERJ-3GEYJ103V	Digi-Key	P10KGTR-ND	10k, 5%, 1/10W, 0603
8	1	R6	Panasonic	ERJ-3GEYJ101V	Digi-Key	P100GTR-ND	100, 5%, 1/10W, 0603
9	1	U1	Freescale	MC56F8006VLC	Avnet	N/A	Microcontroller/Digital Signal Controller, LQFP32
9a	1	N/A	N/A	N/A	Avnet	N/A	Microcontroller programming service
10	1	PCB	e-Teknet	DC17 1.0	N/A	N/A	PCB (includes assembly and testing)