

QC2017 Main Badge BOM - rD

#	Designator	Spec	Manufacturer	PN	Footprint	Pads	THs	QTY
1	A1	2.4MHz Chip	Johanson	2450AT42A100E	SMT 5mm	2	0	1
2	B1	NA	Leye Electronics	LY-K3-01	NA	5	2	1
3	BT1	2xAA, TH	Eagle Plastic Devices	12BH321P-GR	TH	0	2	1
4	C1, C2	4.7uF, X7R	Murata	GRM188Z71A475ME15D	0603	2	0	2
5	C19	1uF	Yageo	CC0603KRX5R8BB105	0603	2	0	1
6	C26-C32	0.1uF	Würth	885012105018	0402	2	0	7
7	C3, C4, C5, C7, C9, C16, C17, C18, C20, C24, C25, C33	0.1uF	Yageo	CC0603KRX7R7BB104	0603	2	0	12
8	C6, C8	10uF	Murata	GRM188C80G106ME47D	0603	2	0	2
9	D1-D49, D51-D74	NA	Harvatek	HQ19-2331BGRC322	0605	4	0	73
10	D96, D97	TVS Diode Array	Diodes Inc	DT1446-04S-7	SOT-363-6	6	0	2
11	FL1	1.5kOhm, 500mA	Murata	BLM18HE152SN1D	0603	2	0	1
12	L1	4.7uH	Bourns	CV201210-4R7K	0805	2	0	1
13	L2	10uH	Bourns	CV201210-100K	0805	2	0	1
14	P0	DNP	DNP	DNP	NA	0	0	0
15	P1, P2, P3, P4	4 pos, MF	Amphenol	10120045-400LF	5mm	6	0	4
16	Q10	NPN	Fairchild	KDT00030TR	NA	2	0	1
17	Q1-Q8	P-Channel MOSFET	Infineon	BSD223PH6327XTSA1	SOT-363-6	6	0	8
18	R0, R26	0 Ohm	KOA	RK73Z1ETTP	0402	2	0	2
19	R1	100k	Yageo	RC0603FR-07100KL	0603	2	0	1
20	R10-R22, R24, R25	100 Ohm	Yageo	RC0402FR-07100RL	0402	2	0	15
21	R3	1.8K, 1%	Koa	RK73H1JTFD1801F	0603	2	0	0
22	R4	1.02M	Yageo	RC0603FR-071ML	0603	2	0	1
23	R3, R6	4.99K	Yageo	RC0603FR-074K99L	0603	2	0	2
24	U1	128k BLE	TI	CC2640F128RGZ	VQFN-48	48	0	1
25	U2	NA	TI	TLC5948ADBQR		24	0	1
26	U3, U4	8 bit shift register	Toshiba	74HC164D(BJ)	SOIC-14	14	0	2

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27	U5	16 Mbit	Cypress	S25FL216K0PMFI011	8-SOIC	8	0	1
28	VR1	Boost Regulator	Skyworks	AAT1217ICA-3.3-T1	TSOT23-6	6	0	1
29	X2	2.4GHz	Epson	TSX-3225 24.0000MF10Z-C3			0	1
30	SC1	NA	Johanson	2450BM14G0011T	0603	6	0	1
		Total Badges	285					
		Number of Pads	595	0				
		Number of Holes	4					
		Number of Unique Components	29					
		Total Number of Components	147					