

QC12 BOM - rB6 - 6/29/15 - AS BUILT

#	Designator	Spec	Manufacturer	PN
1	A1	915 MHz	Johanson Technology	0915AT43A0026E
2	B1, B2, B3,	SMT	On Shine Enterprise	KPT-1187B
3	BT1	2xAA, TH	Eagle Plastic Devices	12BH321P-GR
4	C10, C11, C14, C15,	1.0uF, 25V, 10%	Murata	GRM188R61E105KA12D
5	C12,	2.2uF, 10%, 25V	Murata	GRM188R61E225KA12D
6	C13, C17, C19,C1, C2, C3, C4	4.7uF, 25V, X7R/ X5R	TDK	C3216X7R1E475K160AC
7	C16, C18,	10uF, 20%, 16V	Murata	GRM188R61C106MAALD
8	C20	2.2nF, 25V, 20%	Murata	GRM188R71H222KA01D
9	C21, C22,	22pF, 1%x 16V	AVX	06035A220FAT2A
10	C7	DNP	DNP	DNP
11	C8, C9,C6	0.1 uF	Kemet	C0603C104K3RACTU
12	CBL1	14C, 1.27mm, Rainbow	Assman WSW	AWG28-14/F/300
13	CO1, CO2	14P, Female, Press fit	Molex	0906351141
14	D1, D2, D3, D4, D5,	RGB, 20mA	OSRAM	LRTBGFTG-T7AW-1+V7A7-29+R
15	D6,	5 mA, White	OSRAM	LW Q38G-Q1S1-3K6L-1
16	D7, D8,D9	4C, Bidirectional	Diodes Inc	DT1446-04S-7
17	DS9,	128x64 OLED 0.96"Graphic Display	EastRising	ER-OLED 0.96-3W
18	L1, L2	4.7uH, 1A, 110mOhms	Bourns	CVH252009-4R7M
19	L3	DNP	DNP	DNP
20	L4	0 Ohm	Panasonic	ERJ-3GEY0R00V
21	P1	DNP	DNP	DNP
22	PB	14pin, Shrouded, Male	CNC Tech	3020-14-0200-00
23	PT,	14pin, Shrouded, Male	CNC Tech	3020-14-0300-00
24	R1, R2, R3,	100k, 100mW, +/-10%	Vishay / Dale	CRCW0603100KFKEA
25	R12,	1.1k, 1%, 100mW	Vishay / Dale	CRCW06031K10FKEA
26	R14	604k, 1%	Yageo	RC1206FR-07604KL
27	R4, R5, R6. R13	1.02M	Vishay/ Dale	CRCW12061M02FKEA
28	R7	~450k, 1%	Panasonic	ERJ-8ENF4423V
29	R8, R10, R11,	50k, 100mW, 5%	Panasonic	ERJ-3EKF4992V
30	R9,	390k, 5%, 100mW	Vishay / Dale	CRCW0603390KFKEA
31	S1, S2, S3	0.825", releasable	Keystone Electronics	8886
32	U1,	16-bit Microcontroller	Texas Instruments	MSP430FR5949IDA
33	U2	915 MHz	HopeRF	RFM69CW
34	U3,	PWM, latching	Texas Instruments	TLC5948ADBQ
35	U4,	SPI, 4 - 16 Mb	Spansion	S25FL216K0PMFIO41
36	VR1, VR2	Boost Regulator	Skyworks	AAT1217ICA-1.2-T1
37	X1,	32.768 kHz	ABRACON	ABS25-32.768KHz-4-T
38	SU1	Superglue	Loctite	LOC1364076

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