

**Project: Game Call Remote (WRC-Remote)**

**Date: Aug 9, 2012**

QTY.	Ref. Location	Description / Value
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**<A> TX Board**

1	U6	IC(SMD) RF Transmitter Module 433MHz
1	U1	IC(SMD)TQFP-32 Microcontroller
1	U3	IC(SMD)SOIC-8 EEPROM memory 128Kbit
1	U5	IC(SMD)SOT-223 LDO 3.3V
1	Y1	CRYSTAL(SMD) 8.000MHz 30PPM
1	D2	DIODE(SMD)SOT-23 dual schottky diode common cathode
1	D8	DIODE(SMD) SOD-123 Schottky Diode 0.5A 40V
3	Q2 Q3 Q6	TRAN(SMD)SOT-23 NPN transistor
1	Q1	TRAN(SMD)SOT-23 PNP transistor
1	L1	FERRITE(SMD)0603 Ferrite bead 0.4A <60R at 100MHz>
1	L2	RES(SMD)0R 0805 1/8W +/-5%
6	R1 R2 R5 R81 R101 R113	RES(SMD)0R 0603 1/10W +/-5%
1	R12	RES(SMD)22R 0603 1/10W +/-5%
1	R71	RES(SMD)33R 0603 1/10W +/-5%
3	R50 R53 R77	RES(SMD)470R 0603 1/10W +/-5%
2	R104 R107	RES(SMD)1K 0603 1/10W +/-5%
4	R24 R10 R25 R33	RES(SMD)4.7K 0603 1/10W +/-5%
4	R54 R58 R80 R102	RES(SMD)10K 0603 1/10W +/-5%
2	R34 R40	RES(SMD)10K 0603 1/10W +/-1%
10	R7 R8 R9 R49 R55 R56 R64 R65 R66 R69	RES(SMD)47K 0603 1/10W +/-5%
2	R46 R68	RES(SMD)100K 0603 1/10W +/-5%
1	R52	RES(SMD)470K 0603 1/10W +/-5%
1	R16	RES(SMD)2.2M 0603 1/10W +/-5%
1	R15	RES(SMD)4.7M 0603 1/10W +/-5%
1	R6	RES(SMD)10M 0603 1/10W +/-5%
12	C3 C4 C5 C6 C7 C11 C13 C14 C22 C23 C27 C104	CAP(SMD)0603 0.1uF Y5V 50V +/-20%
3	C20 C24 C33	CAP(SMD)0805 10uF Y5V 10V +80-20%
1	C26	CAP(SMD)0603 1uF Y5V 16V +80-20%
5	C105 C106 C107 C108 C109	CAP(SMD)0805 1uF Y5V 16V +80-20%
3	C112 C113 C116	CAP(SMD)0805 2.2uF X5R 16V +/-10%
5	C1 C2 C15 C16 C115	CAP(SMD)0603 22pF NPO 50V +/-5%
2	C8 C17	E-Cap(SMD)22uF Electrolytic Cap 16V +/-20%
1	J3	JACK(LEADED) 3.5mm STEREO JACK
1	J11	CONNECTOR(LEADED) 2.0mm PIN HEADER SINGLE ROW STRAIGHT H=2.0mm
1	J12	LCD MODULE TRANSFLECTIVE + Green Backlight
1	J4	WIRE RED/BLACK UL1007 AWG26
1	ANT1	ANTENNA 433Mhz screw mounting
1		PCB 2LAYER FR4 IMMERSION GOLD (Remote Gen2 V1.0)

**<B> Key Board**

2	R47 R48	RES(SMD)2.2K 0603 1/10W +/-1%
2	R39 R45	RES(SMD)5.6K 0603 1/10W +/-1%
2	R38 R44	RES(SMD)10K 0603 1/10W +/-1%
2	R37 R43	RES(SMD)27K 0603 1/10W +/-1%
2	R35 R41	RES(SMD)68K 0603 1/10W +/-1%
2	C12 C13	CAP(SMD)0603 22pF NPO 50V +/-5%
1	J1	CONNECTOR(SMD)2.0mm FEMALE HEADER SINGLE ROW H=4.3mm
1		Remote Keyboard membrane with dome switch
1		PCB 2LAYER FR4 IMMERSION GOLD REV3.0