ITEM	PR9011 BOM		NOTES	Do not place listed as yellow			
DATE	12.15.2014						
PREPARED BY	Zach Dunham						
NOTES	Dev Board						
CONTACT	info@thepublicrad.io						
Item	Qty	Part	Value	Device	Package	Description	Mfn Part #
	1	AMP	TPA2005D1DGNR	TPA2005D1DGN	POWER-SOP8	1.4W MONO CLASS-D A	TPA2005D1DGNR
	1	C1	220uF	CAP_POLC	PANASONIC_C	Capacitor Polarized	ESK476M035AC3A
DNP		C2,C3,		1.0UF-25V-+80/-20(0805)	0805	CAP-11625	DNP
	2	C4,C5	22pf	CAP0805	0805	Capacitor	C1608C0G1H220J0
DNP		C6		CAP0805	0805	Capacitor	DNP
	2	C7, C10	22nF	1.0UF-25V-+80/-20(0805)	0805	CAP-11625	CL21B223KC65PN
	4	C12, C19, C8, C11	.1uf	CAP0805	0805	Capacitor	C0603C104K4RAC
	2	C13, C16	.033uf	C-USC0603	0603	CAPACITOR, American	CL10B333KB8SFN
	2	C14,C15, C18	10uf	CAP0805	0805	Capacitor	CL10A106MQ8NNN
	2	C9, C17	1uf	CAP0805	0805	Capacitor	TMK107BJ105KA-T
	1	C20	100pf	CAP0805	0805	Capacitor	C1608C0G1H101J0
	1	D1		BAV99	SOT23-3	Two small signal silicon diodes connected anode to cathode.	BAV99
	3	FB1,FB2,FB3		INDUCTOR0805	0805	Inductors/Zero Ohm Resist	ERJ-6GEY0R00V
	1	FET1	AO3435	AO3435	AO3435		AO3435
	1	FMIC	SI4703	SI470X	20-UFQFN Exposed Pad	CMOS Receiver	SI4702-C19-GMR
	1	ISP	AVR_SPI_PRG_6	NS AVR_SPI_PRG_6NS	2X3-NS	AVR ISP 6 Pin	M20-9980346
DNP	1	DNP	M3_SCREW_POST	M3_SCREW_POST	M3_SCREW_POST		DNP
	4	JP5,JP6	BK-92_MPD_AA_	BATT_CLIP BK-92_MPD_AA_BATT_CLIP	BK-92_MPD_AA_BATT_CLIP		BK-92
DNP	1	L1		INDUCTOR0805	0805	Inductors	DNP
	2	L2,L3	2.5k@100MHz	INDUCTOR0603	0603	Inductors	BK1608LM252-T
	1	LED1		LEDSML0603	SML0603	LED	LY R976-PS-36
	1	MCU	Tiny85-20-SMT	ATTINY45TINY85-20-SMT	SO08-EIAJ	Atmel 8-pin 2/4/8kB	ATTINY25-20SUR
	1	R1	RV170SF_TAIWA	NA_POT_SW RV170SF_TAIWANA_POT_SW	RV170SF_TAIWANA_POT_SW		RV170SF-43-20F-A10K
	4	R2,R3,R4,R5	330	RESISTOR0805-RES	0805	Resistor	ESR10EZPJ331
	2	R6,R12	10K	RESISTOR0805-RES	0805	Resistor	RC0805FR-0710KL
	3	R7,R8,R9	4.7K	RESISTOR0805-RES	0805	Resistor	ERJ-6GEYJ472V
DNP		R10		RESISTOR0805-RES	0805	Resistor	DNP
	2	R11, R13	40.2K	R-US_R0603	0603	RESISTOR, American	RC0603FR-0740K2L
	1	R14	1K	R-US_R0603	0603	RESISTOR, American	RC0603FR-071KL
	1	SW1	SPST_TACT-KMR	2 SPST_TACT-KMR2	KMR2	SMT 6mm switch, EVQ	PTS645SM43SMTR LFS
DNP	1	U$5	CE32A_DAYTON_	SPKR CE32A_DAYTON_SPKR	CE32A_DAYTON_SPKR		DNP
DNP	1	VARI		L-TRIM	146/150	Coilcraft 146/150 s	DNP
	1	Y1	32.768kHz	CRYSTAL32-SMD	CRYSTAL-32KHZ-SMD	Crystals	AB26TRB-32.768 KHZ-T
	1	JST_CONN			JST-PH-2-SMT-RA	JST Speaker Connect	S2B-PH-SM4-TB (LF)(SN)