

BOM
REV

DATE		COMPANY		COMMENT 1	COMMENT 2
COMMENT 3		COMMENT 4		TOTAL PARTS 112 (Unique 41)	
Ref	Qty	Value	Footprint		
[C] - Capacitors					
C7 C8	2	22pf	Capacitors_SMD:C_0805_HandSoldering		
C9 C12	2	10uF	SMD_Packages:SMD-1206_Pol		
C2 C1 C3	3	100N	Capacitors_SMD:C_0805_HandSoldering		
C5 C6	2	1uF	SMD_Packages:SMD-1206_Pol		
C11 C10	2	22nF	Capacitors_SMD:C_0805_HandSoldering		
C4	1	4u7	SMD_Packages:SMD-1206_Pol		
C14 C13	2	6n8	Capacitors_SMD:C_0805_HandSoldering		
C16 C15 C18 C17 C20 C19 C24 C23	8	2n2	Capacitors_SMD:C_0805_HandSoldering		
C22 C21	2	330pF	Capacitors_SMD:C_0805_HandSoldering		
[J] -					
J1 J15 J2 J3 J16 J4 J5 J17 J6 J7 J18 J8 J9 J19 J10 J11 J20 J12 J13 J21 J14	21	CONN_01X01	Pin_Headers:Pin_Header_Straight_1x01_Pitch2.00mm		
J27 J29 J26 J28 J30 J31	6	CONN_01X01	Pin_Headers:Pin_Header_Straight_1x01_Pitch2.54mm		
J22 J23	2	CONN_01X02	Pin_Headers:Pin_Header_Straight_1x02_Pitch2.54mm		
J24	1	Audio-Jack-2	audi:audi-NRJ4HF		
J25	1	CONN_01X05	Pin_Headers:Pin_Header_Straight_1x06_Pitch2.54mm		
[R] - Resistors					
R4	1	10K	Resistors_SMD:R_0805_HandSoldering		
R3 R2 R9 R13 R1 R14 R18 R19 R23 R24 R28 R29 R33 R34 R38 R39 R43	17	100K	Resistors_SMD:R_0805_HandSoldering		
R6 R5 R17 R25	4	1M	Resistors_SMD:R_0805_HandSoldering		
R8 R7 R45	3	470K	Resistors_SMD:R_0805_HandSoldering		
R10	1	200K	Resistors_SMD:R_0805_HandSoldering		
R11 R44	2	1K	Resistors_SMD:R_0805_HandSoldering		
R12	1	412K	Resistors_SMD:R_0805_HandSoldering		
R15	1	523K	Resistors_SMD:R_0805_HandSoldering		
R16	1	2.6K	Resistors_SMD:R_0805_HandSoldering		
R20	1	1.2M	Resistors_SMD:R_0805_HandSoldering		
R21	1	6K	Resistors_SMD:R_0805_HandSoldering		
R22	1	2.4M	Resistors_SMD:R_0805_HandSoldering		
R26	1	5K	Resistors_SMD:R_0805_HandSoldering		

R27	1	2M	Resistors_SMD:R_0805_HandSoldering
R30	1	800K	Resistors_SMD:R_0805_HandSoldering
R31	1	4K	Resistors_SMD:R_0805_HandSoldering
R32	1	1.6M	Resistors_SMD:R_0805_HandSoldering
R35	1	3.2M	Resistors_SMD:R_0805_HandSoldering
R36	1	16K	Resistors_SMD:R_0805_HandSoldering
R37	1	6.5M	Resistors_SMD:R_0805_HandSoldering
R40	1	255K	Resistors_SMD:R_0805_HandSoldering
R41	1	1.6K	Resistors_SMD:R_0805_HandSoldering
R42	1	511K	Resistors_SMD:R_0805_HandSoldering
[U] - Semiconductors			
U4 U3 U1 U6 U7 U8 U9 U10 U11	9	TL072	Housings_SOIC:SOIC- 8_3.9x4.9mm_Pitch1.27mm
U2	1	ATMEGA168A-AU	Housings_QFP:TQFP- 32_7x7mm_Pitch0.8mm
U5	1	LM1117-5.0	
[Y] -			
Y1	1	16 MHz	Crystals:Crystal_SMD_HC49- SD_HandSoldering
BOM made with KICAD BOM WIZARD (Generated Mon 27 Nov 2017 22:29:41 CET)			