

BATSHIELD BOM

REV 0.1



DATE	COMPANY	COMMENT 1	COMMENT 2
2001-01-01	20khzdesign - Juanda Rodríguez	Arduino shield for audio applications	https://creativecommons.org/licenses/by-sa/4.0/
COMMENT 3	COMMENT 4	TOTAL PARTS	
Creative Common. Attribution-ShareAlike 4.0 International (CC BY-SA 4.0)		65 (Unique 43)	

Ref	Qty	Value	Footprint	Datasheet
[C] - Capacitors				
C1	1	270p	Capacitors_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm	
C2 C4	2	4.7u	Capacitors_THT:CP_Radial_D5.0mm_P2.50mm	
C3	1	0.1u	Capacitors_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm	
C5 C6	2	0.1n	Capacitors_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm	
C7	1	4.7n	Capacitors_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm	

C8 C9	2	220n	Capacitors_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm
C10	1	1n	Capacitors_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm
C11	1	100n	Capacitors_THT:C_Disc_D5.0mm_W2.5mm_P5.00mm
[D] - Diodes			
D1	1	1N4148	Diodes_THT:D_DO-35_SOD27_P7.62mm_Horizontal
[J] -			
J1	1	I/O 1	Pin_Headers:Pin_Header_Straight_1x03_Pitch2.54mm
J2 J5	2	mic in 1/4"	conectores:Jack_Female_6,35mm_HD
J3	1	arduinoUnoPinout	arduino:arduinoUnoPinout
J4	1	I/O 2	Pin_Headers:Pin_Header_Straight_1x03_Pitch2.54mm
J6	1	MIDI out	conectores:MIDI_female_5_pins
J7	1	MIDI IN	conectores:MIDI_female_5_pins
[R] - Resistors			
R1	1	2k2	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R2 R3 R6	3	100k	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R4 R5 R25	3	4k7	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R7 R8	2	1M	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R9	1	499k	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R10	1	3.9k	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R11	1	270	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R12 R13	2	680	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R14 R15 R16 R18 R19 R20	6	10k	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R17	1	330	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal

R21 R22 R23 R24	4	220	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
[RV] -			
RV1	1	100k	conectores:potenciometro_PTV09
RV2 RV3 RV4 RV5 RV6	5	10k	conectores:potenciometro_PTV09
[SW] -			
SW1	1	RESET	Buttons_Switches_THT:SW_PUSH_6mm_h5mm
SW2	1	SW/HW SER R	conectores:interruptor_spdt
SW3	1	SW/HW SER W	conectores:interruptor_spdt
SW4	1	RUN/PROG	conectores:interruptor_spdt
SW5	1	HIFI/LOFI	conectores:interruptor_spdt
SW6	1	PWM/FILTERED	conectores:interruptor_spdt
SW7	1	NORMAL/BRIGHT	conectores:interruptor_spdt
SW8	1	SWT1	conectores:interruptor_spdt
SW9	1	SWT2	conectores:interruptor_spdt
SW10	1	SWT3	conectores:interruptor_spdt
SW11	1	BTN1	conectores:button_spst
SW12	1	BTN2	conectores:button_spst
SW13	1	BTN3	conectores:button_spst
[U] - Semiconductors			
U1	1	TL062	Housings_DIP:DIP-8_W7.62mm
U2	1	6N138	Housings_DIP:DIP-8_W7.62mm
BOM made with KICAD_BOM_WIZARD (Generated martes, 23 '23e' enero '23e' 2018, 12:56:08)			

