

pedalSHIELD Bill of Materials /Parts List				
Value	Qty	References	Description	Mouser Reference
<b>Capacitors</b>				
270p	5	C2 C5 C8 C9 C12	Ceramic Disc Capacitors	140-50S5-271J-RC
0.1u	6	C1 C4 C6 C7 C10 C11	Film Capacitors.	ECQ-V1H104JL
1u	1	C13	Aluminium Electrolytic Capacitors	ECE-A1HKA010
4.7u	1	C3	Aluminium Electrolytic Capacitors	ECE-A1EKA4R7
10u	2	C14 C15	Aluminium Electrolytic Capacitors	ECE-A1HKA100B
47uF	1	C18	Aluminium Electrolytic Capacitors	REA470M1CBK-0511P
<b>Resistors</b>				
1K	2	R3 R21	Metal Film Resistors, 1% Tol.	MF1/4DC1001F
4.7K	3	R5 R9 R10	Metal Film Resistors, 1% Tol.	MF1/4DCT52R4701F
50K	1	R7	Metal Film Resistors, 1% Tol.	MF1/4DCT52R4992F
100K	12	R4 R6 R8 R11 R12 R13 R14 R15 R16 R17 R19 R20	Metal Film Resistors, 1% Tol.	MF1/4DCT52R1003F
10M	2	R1 R2	Metal Film Resistors, 1% Tol.	RK1/4DC1005F
500K	1	RV1	Trimmer Resistors - 9mm Single Turn	3319W-3-504
10K	3	RV2 RV3 RV4	Alpha Potentiometers Flat 20mm	RK09L114001T
Plastic Knobs	3	RV2, RV3, RV4	Plastic Knob with screw, Shaft:6.35mm	450-2023-GRX
<b>Others</b>				
1N5817	4	D1 D2 D3 D4	Schottky Diodes Vr/20V Io/1A	1N5817
LED	1	D5	Through hole, blue led.	C4SMG-BJS-CQ0T0451
SWITCH_3PDT	1	SW1	3PDT True Bypass Footswitch	107-SF17020F-32-21RL
SWITCH_INV	2	SW2 SW3	Toggle Switch SPDT	612-100-A1111
<b>Connectors</b>				
CONN_8pins	5	CONN2 CONN3 CONN4 CONN5 CONN6		
JACKS	2	J1, J2	Neutrix 1/4 stereo Chrome Phone Conn.	NMJ6HCD2
<b>IC's</b>				
TL072	2	U1 U2	Operational amplifier.	TL072IPE4
TC1044	1	U3	Voltage switching regulator.	TC1044SCPA
8PIN SOCKETS	3	U1, U2, U3	8pin DIP plastic socket.	1-390261-2
<b>Mechanic</b>				
pedalSHIELD PCB	1		Dual Layer 2x4" PCB with soldermask.	
Plastic Protector	1		3D printed plastic cover protector.	

Sheet1