

Interim BOM

Reference	Value	Qty	
C1	100uF Electrolytic 16v	1	
C2,C9,C10,C19	100n	4	
C3	0.47u	1	
C5,C8	2.2n	2	
C6,C7	820p	2	
C11,C12,C13	10u	3	
C14,C15,C16,C17	56n	4	
C18,C20	220p	2	
D1	1N5817	1	
IC1	SN74CBTLV3253DR	1	
IC2	MCP6022-I_SN	1	
J1	Conn_01x08Pin	1	
J2	Conn_01x04Pin	4	
J3	RF Board Bypass	1	
J4	AudioJack	1	
J5	Conn_01x07_Pin	1	
J6	Conn_01x10	1	
J7	Solder Jumper	1	
J8	External Power	1	
J9	Battery	1	
L1,L2,L3	2.2uH	3	
L4	100uH	1	
OLED1	SSD1306 1.3"	1	
R1	100R	1	
R3,R4	10K	2	
R5	1K	1	
R6,R7,R8,R9	82R	4	
R10,R11	56K	2	
RV1	R_Potentiometer 10K	1	
SW1,SW6	Micro SW_Slide_DPDT	2	SK-22D01-MG 5 NS
SW2	Micro SW_Slide_SPDT	1	2mm Pin Spacing
SW3, SW4	6mm Micor Push Switch	2	Approx 9mm Shaft
SW5	RotaryEncoder	1	PEC11R-4215K-S0024
U1	Pi Pico V1 or Pi Pico 2	1	
Misc			
Header Pin Sockets	2 x 20 for Pico		
Header Pins	As required for jumpers		
Spacers and M3 screws for mounting PCB Top and Bottom Cover			