

Raspberry Pi Pico Foxoring Transmitter

Revision history

Date	Revision	Description
2024-12-01	01A	First revision.
2025-01-04	02A	- Added LCD VO resistors. - Added attenuation before balun and at antenna. - Added inductor before filter. - Modified antenna matching. - Removed decoupling capacitor. Todo: - Proper filter with leading inductor.

A

B

C

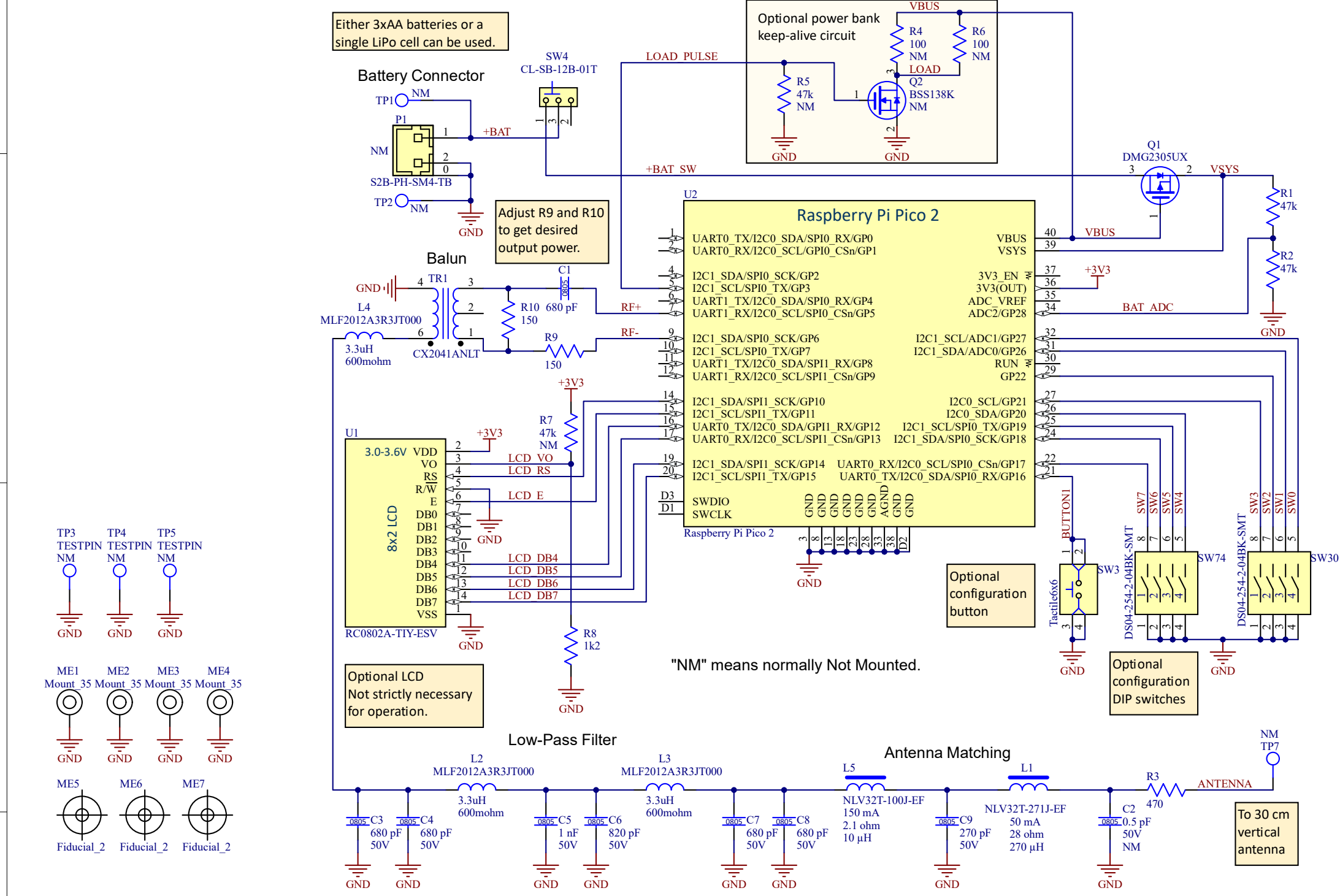
D

A

B

C

D



Suggested DIP Switch Functions

SW7:SW4	Frequency	SW3:1	Mode
0000	Use EEPROM	000	Beacon "MO"
0001	3 510 000 MHz	001	Fox 1 "MOE"
0010	3 520 000 MHz	010	Fox 2 "MOI"
0011	3 530 000 MHz	011	Fox 3 "MOS"
0100	3 540 000 MHz	100	Fox 4 "MOH"
0101	3 550 000 MHz	101	Fox 5 "MO5"
0110	3 560 000 MHz	110	Fox 6 "MON"
0111	3 570 000 MHz	111	Fox 7 "MOD"
1000	3 580 000 MHz		
1001	3 590 000 MHz		
1010	3 600 000 MHz		
1011	3 500 000 MHz		
1100	3 579 545 MHz		
1101	reserved		
1110	reserved		
1111	reserved		

SW0	Mode
0	Slow morse
1	Fast morse

The swith ON position is regarded as a '1' in the tables above. It does however ground the pin, so it will be read as a '0' by the software.

