

Raspberry Pi Pico Foxoring Transmitter

Revision history

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

A

B

C

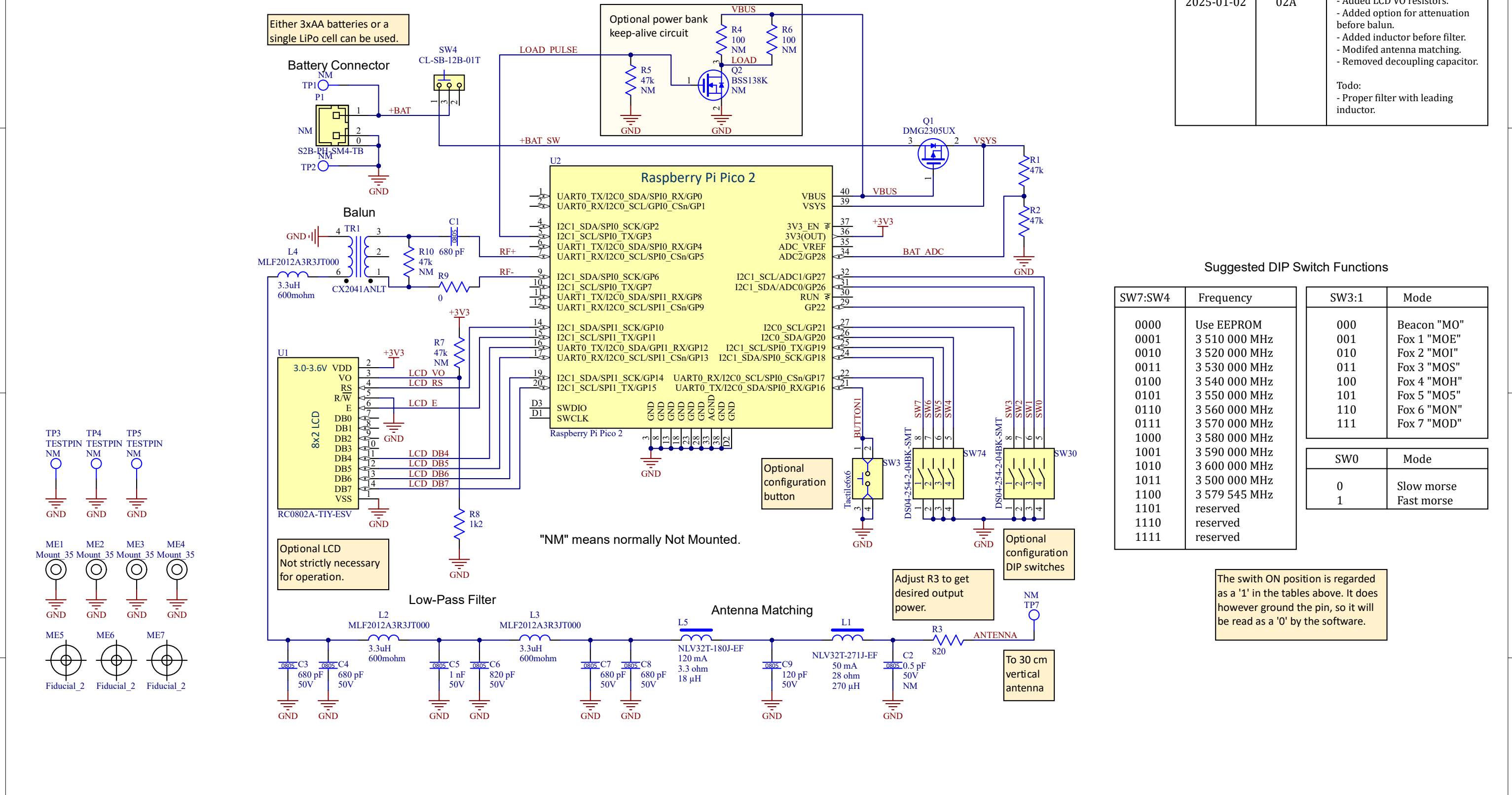
D

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.

