4x4 keypad

Keypad switches:
- STEP- STEP+ BAND- BAND+
- NB NR SNB ANF
- SPLIT A>B MODE- MODE+
- FILTER- FILTER+ A<>B PREAMP

Keypad pins: ROW1 ROW2 ROW3 ROW4 COL1 COL2 COL3 COL4

U1 PICO

Pin	Name		Pin	Name
1	GP0_SPI0RX_I2C0SDA_UART0TX		40	VBUS
2	GP1_SPI0CSn_I2C0SCL_UART0RX		39	VSYS
3	GND		38	GND
4	GP2_SPI0SCK_I2C1SDA		37	3V3_EN
5	GP3_SPI0TX_I2C1SCL		36	3V3(OUT)
6	GP4_SPI0RX_I2C0SDA_UART1TX		35	ADC_VREF
7	GP5_SPI0CSn_I2C0SCL_UART1RX		34	GP28_ADC2
8	GND		33	GND_AGND
9	GP6_SPI0SCK_I2C1SDA		32	GP27_ADC1_I2C1SCL
10	GP7_SPI0TX_I2C1SCL		31	GP26_ADC0_I2C1SDA
11	GP8_SPI1RX_I2C0SDA_UART1TX		30	RUN
12	GP9_SPI1CSn_I2C0SCL_UART1RX		29	GP22
13	GND		28	GND
14	GP10_SPI1SCK_I2C1SDA		27	GP21_I2C0SCL
15	GP11_SPI1TX_I2C1SCL		26	GP20_I2C0SDA
16	GP12_SPI1RX_I2C0SDA_UART0TX		25	GP19_SPI0TX_I2C1SCL
17	GP13_SPI1CSn_I2C0SCL_UART0RX		24	GP18_SPI0SCK_I2C1SDA
18	GND		23	GND
19	GP14_SPI1SCK_I2C1SDA		22	GP17_SPI0CSn_UART0TX
20	GP15_SPI1TX_I2C1SCL		21	GP16_SPI0RX_UART0RX

Test points: TP1 TP2 TP3 TP4 TP5 TP6

Left connections: COL1, COL2, ROW1, ROW2, COL3, ROW3, COL4, ROW4, ENC3SW, ENC1SW, ENC1B, ENC1A, ENC4B, ENC4A, ENC5A, ENC5B

Right connections: RADIOBERRY_SCL, RADIOBERRY_SDA, ENC2SW, ENC4SW, ENC5SW, ENC2B, ENC2A, ENC3A, ENC3B

GND

Encoders

+3.3V

- U6 VFO — ENC1B, ENC1A, ENC1SW
- U5 AF GAIN — ENC2B, ENC2A, ENC2SW
- U4 RIT — ENC3B, ENC3A, ENC3SW
- U3 AGC GAIN — ENC4B, ENC4A, ENC4SW
- U2 ZOOM — ENC5B, ENC5A, ENC5SW

GND