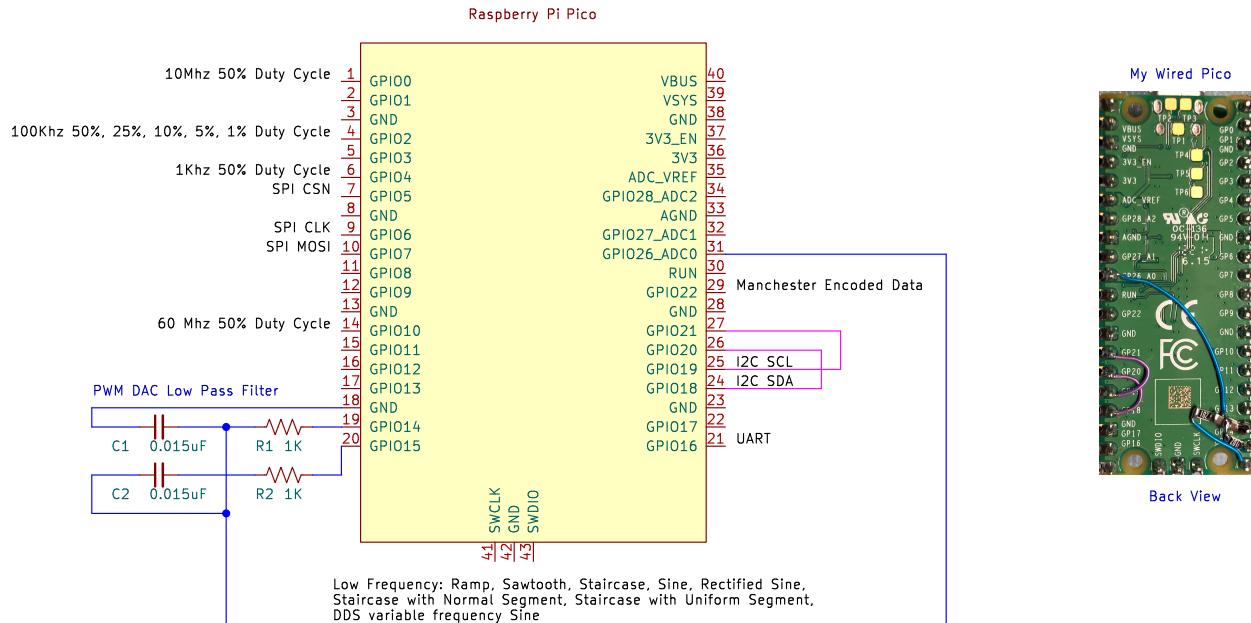


Required Wiring



Transmitted Data

The UART is configured with 115.2 Kbps, 8 data bits, 2 stop bits, and even parity. No flow control. The quick brown fox jumped over the lazy dog is transmitted.

Manchester encoded data 0x00000000084215AF at 5 Mbps. Note that data is transmitted LSB first.

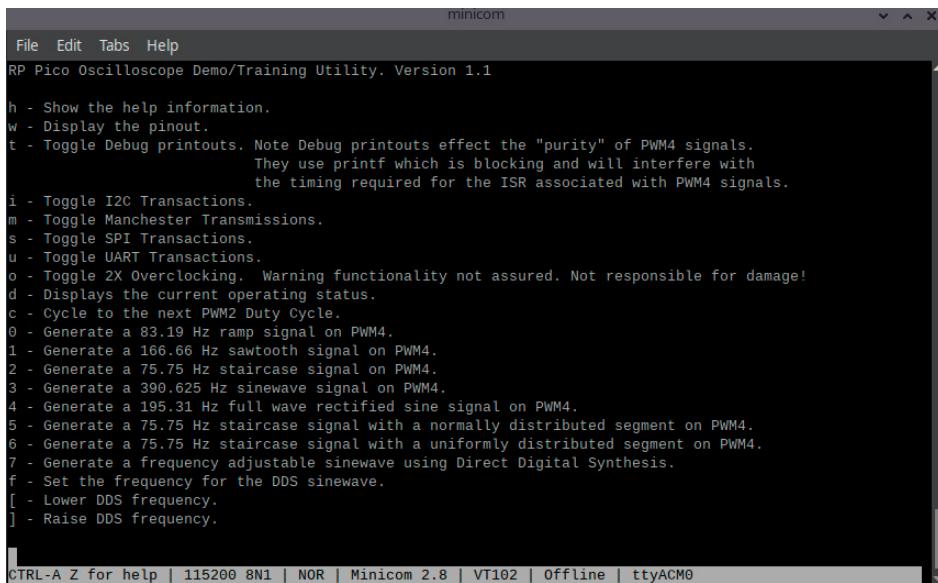
I2C 100 Kbps, Slave Address 0x17 (0x2E W, 0x2F R). 4 Transactions occur per loop

```
Write      M + "Hello, I2C slave! - 0xm0"
Write      M
Read       "Hello"
Read       ", I2C slave! - 0xm0"
```

Where M is the binary value which cycles thru 0x00, 0x20, 0x40, 0x60, 0x80, 0xA0, 0xC0, 0xE0.
m is the ASCII character that represents the most significant nibble of M.

SPI 1 Mbps. Transmitted message – "RP"+ 16 bit incrementing loop counter + 12 bytes of sequential incrementing data. I.E. 16 total bytes per main loop.

Command Interface



Sig_Gen – Cheat Sheet

Sheet: /
File: pico_sig_gen.kicad_sch

Title: A simple cost-effective demo/test/training board for an oscilloscope

Size: A Date: 12/6/2024

KiCad E.D.A. 8.0.7

Rev: V1.2

Id: 1/1