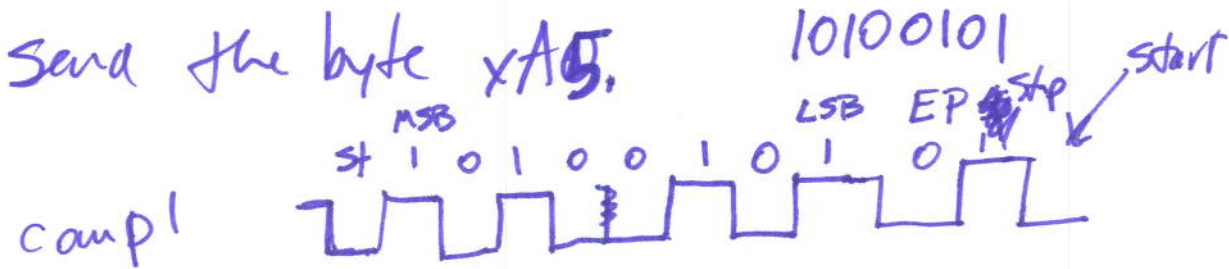
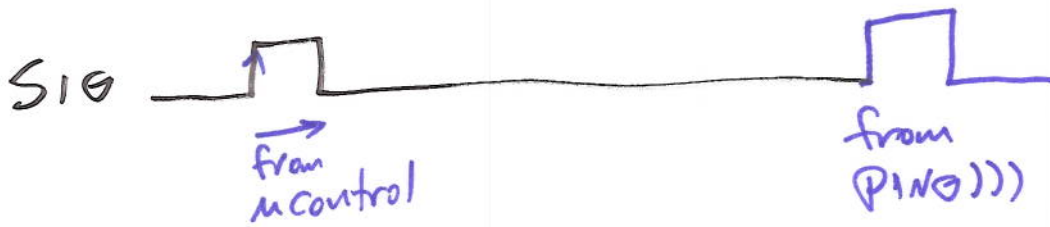


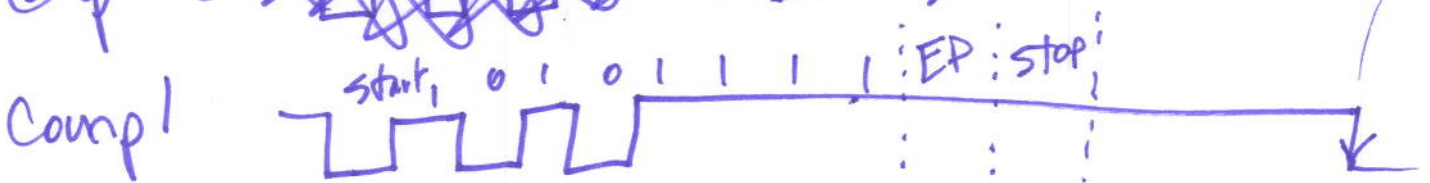
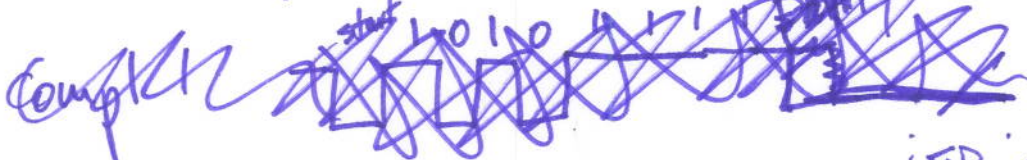
Embedded app of the day

(1)

Parallax
Ping
Sensor



- * speed
- * # stop bit
- * Parity (Even, odd, none)



Is this OK?
Identified parity error

Sending xAS, Even Parity, 1 stop bit

(2)

300 bps

How long to transmit?

bits sent 8 data, 1 start, 1 parity, 1 stop

$$\frac{11 \text{ bits}}{300 \text{ bps}} = 0.036 \text{ seconds}$$

bytes of real data per seconds?

27 bytes per second.

If I desire to send 512 bytes per second, even parity, 1 stop bit what will be my minimum bps?

$$\frac{512 \text{ bytes}}{\text{second}} \times \frac{11 \text{ bits}}{1 \text{ byte}} = 5632 \text{ bps}$$

- 110, 150, 300, 600, 1200, 2400, 4800, 9600,
14200, 31250, 38400