

TX_IDLE $\xrightarrow{\text{transmitStart=true}}$

transmitBufferIndex=0;
tmr3ISRstate = TX_START_BITS;

TX_START_BITS

- Turn on PWM
- mask = 0b00000001;
- letter = transmitIRbuffer[Index]
- tmr3ISRstate = TX_DATA_BITS;

TX_STOP_BITS

Turn off PWM.

if '10' detected
→ TX_START_BITS to
read checksum ← tx-checksum=true,
else if (tx-checksum == true)

{ tmr3ISRstate = IDLE;
tx-checksum = false;
else
tmr3ISRstate = TX_START_BITS;

Index += 1;

①

TX_DATA_BITS

Mask shifting
thing

wait