

Serial1.begin(2400);
1200

OCR_{5B} 63

Timer 3

1200

ICR₅

f_{osc}

$N(C1+TOP)$

11

f_{pwm}

$\frac{1}{T} = \text{Band Rate}$

OC5B Pin

Turn on PWM

```
TCCR5A |= (1 << WGM51) | (1 << COM5B1);
TCCR5B |= (1 << WGM52) | (1 << WGM53)
           | (1 << CS50);
OCR5B = [ ] ; // 38 kHz
```

Timer 3

```
TCNT3 = [ ] ; 0x10000 - [ ]
TCCR3B |= (1 << CS30);
while ((TIFR3 & (1 << TOV3)) == 0);
TCCR3B = 0x00;
TIFR3 |= (1 << TOV3);
```

1

PWM
off

$TCCR1A \& X = \sim (1 \ll (COM5B1));$

case IDLE:

if (newCharacterToSend)

{ $TCCR5A \mid = (1 \ll (COM5B1));$
 $OCR5B = \boxed{};$

change the state;

{

break;

case TX_DATA-BITS:

if (mask == 0)

{ state = IDLE;

$TCCR5A \& = \sim (1 \ll (COM5B1));$

newCharacterToSend = false;

}

else

{

if (letter & mask)

{ TCCR5A &= ~ (1 << COM5B1);

}

else

{ TCCR5A |= (1 << COM5B1);

~~DDCR5D~~ = 1;

}

}

mask <<= 1;

}



information?

10/0

12/0

