

123456

consult

mcu

power

File: consult.kicad\_schFile: mcu.kicad\_schFile: power.kicad\_sch

H1  
MountingHole

H2  
MountingHole

Sheet: /  
File: consult.kicad\_sch

Title:

Size: A4Date:

KiCad E.D.A. kicad 7.0.9

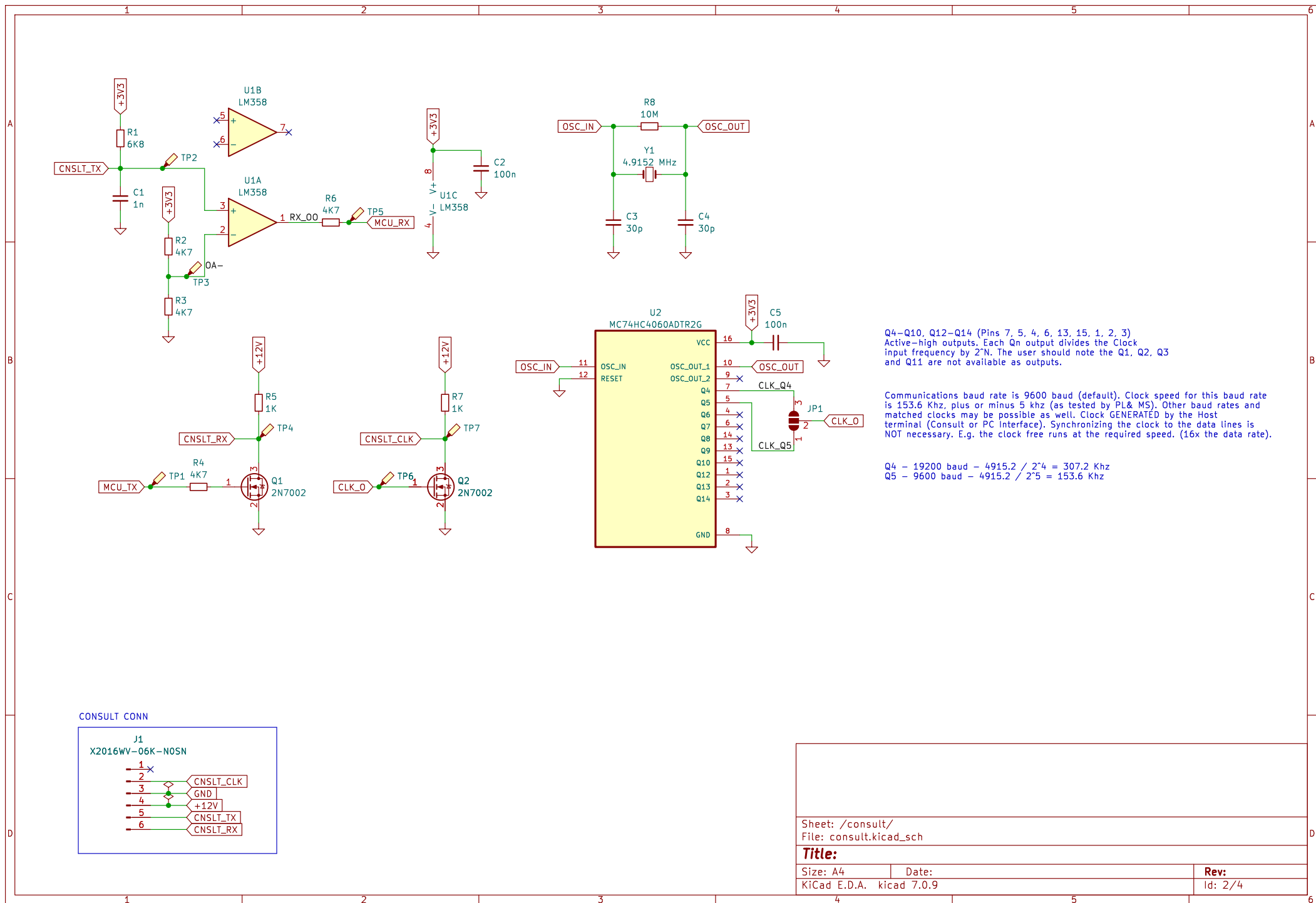
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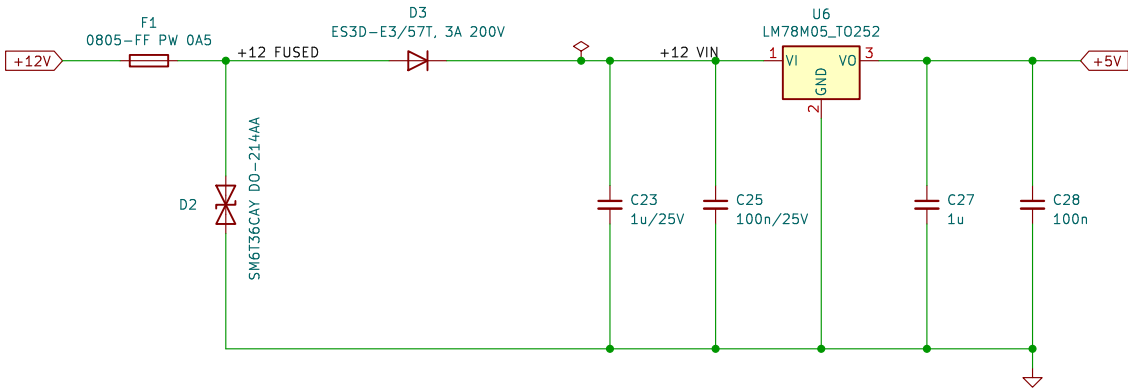
Q4-Q10, Q12-Q14 (Pins 7, 5, 4, 6, 13, 15, 1, 2, 3)  
Active-high outputs. Each Qn output divides the Clock  
input frequency by 2<sup>N</sup>. The user should note the Q1, Q2, Q3  
and Q11 are not available as outputs.

Communications baud rate is 9600 baud (default). Clock speed for this baud rate  
is 153.6 KHz, plus or minus 5 khz (as tested by PL& MS). Other baud rates and  
matched clocks may be possible as well. Clock GENERATED by the Host  
terminal (Consult or PC Interface). Synchronizing the clock to the data lines is  
NOT necessary. E.g. the clock free runs at the required speed. (16x the data rate).

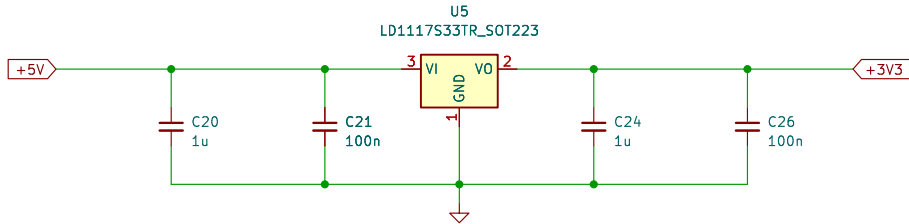
Q4 - 19200 baud -  $4915.2 / 2^4 = 307.2$  KHz  
Q5 - 9600 baud -  $4915.2 / 2^5 = 153.6$  KHz



VIN to 5V



5V to 3V3



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