

123456

consult

mcu

power

File: consult.kicad_schFile: mcu.kicad_schFile: power.kicad_sch

H1
MountingHole

H2
MountingHole

Sheet: /
File: consult.kicad_sch

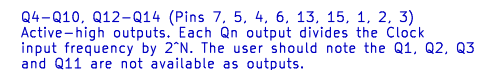
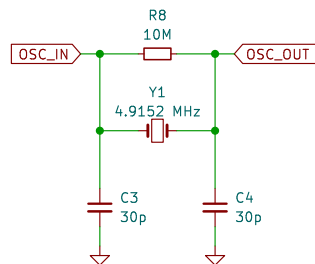
Title:

Size: A4Date:KiCad E.D.A. kicad 7.0.9

Rev:Id: 1/4

A
B
C
D

123456



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 - $4915.2 / 2^4 = 307.2 \text{ Khz}$
Q5 - 9600 baud - $4915.2 / 2^5 = 153.6 \text{ Khz}$

J1
X2016WV-06K-N0SN

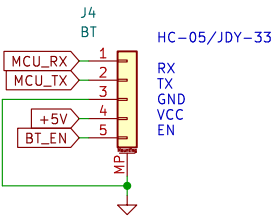
1 ~~X~~
2 CNSLT_CLK
3 GND
4 +12V
5 CNSLT_TX
6 CNSLT_RX

Sheet: /consult/
File: consult.kicad_sch

Title:

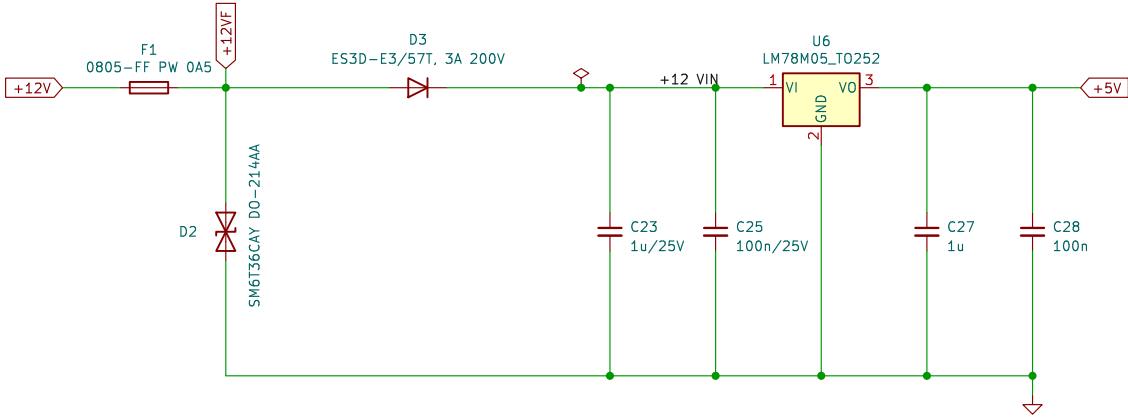
Size: A4	Date:
KiCad E.D.A.	kicad 7.0.9

Rev:
Id: 2/4

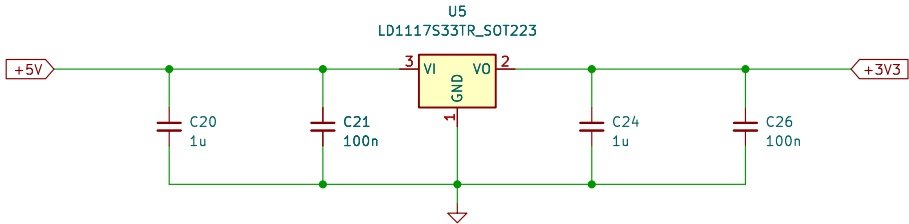


Sheet: /mcu/		D
File: mcu.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.9		Id: 3/4

VIN to 5V



5V to 3V3



Sheet: /power/
File: power.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad 7.0.9

Date:

Rev:
Id: 4/4