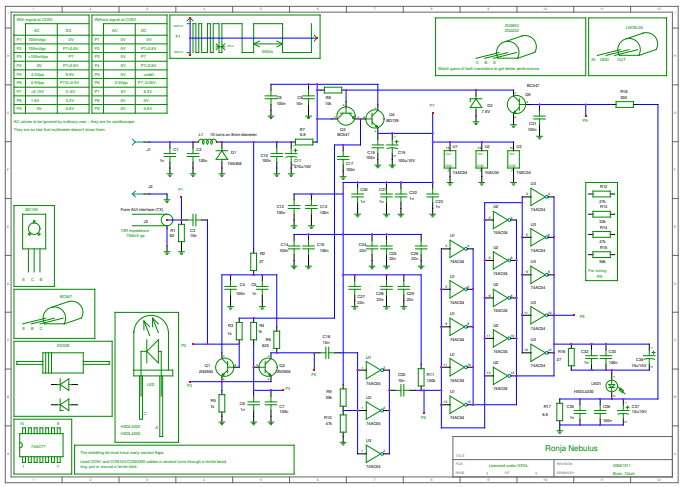
With signal at CON7
AC
DC
P7 350mVpp 5V
P6 350mVpp P7-0.6V
P5 ~350mVpp P7
P4 0V P5-0.6V
P3 0V P5-0.6V
P2 4.2Vpp 9.6V
P1 2.0Vpp P7/2-0.5V
P7 ~0.15V 5.4V
P6 1.6V 5.2V
P5 0V 5.4V
P4 0V 5.4V
Without signal at CON7
AC
DC
P1 0V 0V
P2 0V P1-0.6V
P3 0V P7
P4 0V P1-0.6V
P5 0V undef.
P6 0.5Vpp P7-0.35V
P7 0V 6.2V
P8 0V 6.2V
P9 0V 6.6V
AC values to be ignored by ordinary user ... they are for oscilloscope.
They are so fast that multimeter doesn't show them.
2N3904
2N3906
C B E
Watch gains of both transistors to get better performance
LM78L05
IN GND OUT
L1 10 turns on 8mm diameter
From AUX interface (TX)
75R impedance
700mV pp
MC339
E C B
BC847
E B C
DA106
TSW777
LED
HSDL-4300
HSDL-4200
The shielding lid must have many contact flaps.
Lead CON7 and CON12/CON20/GND cables in several turns through a ferrite bead.
esp. put on around a ferrite stick.
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