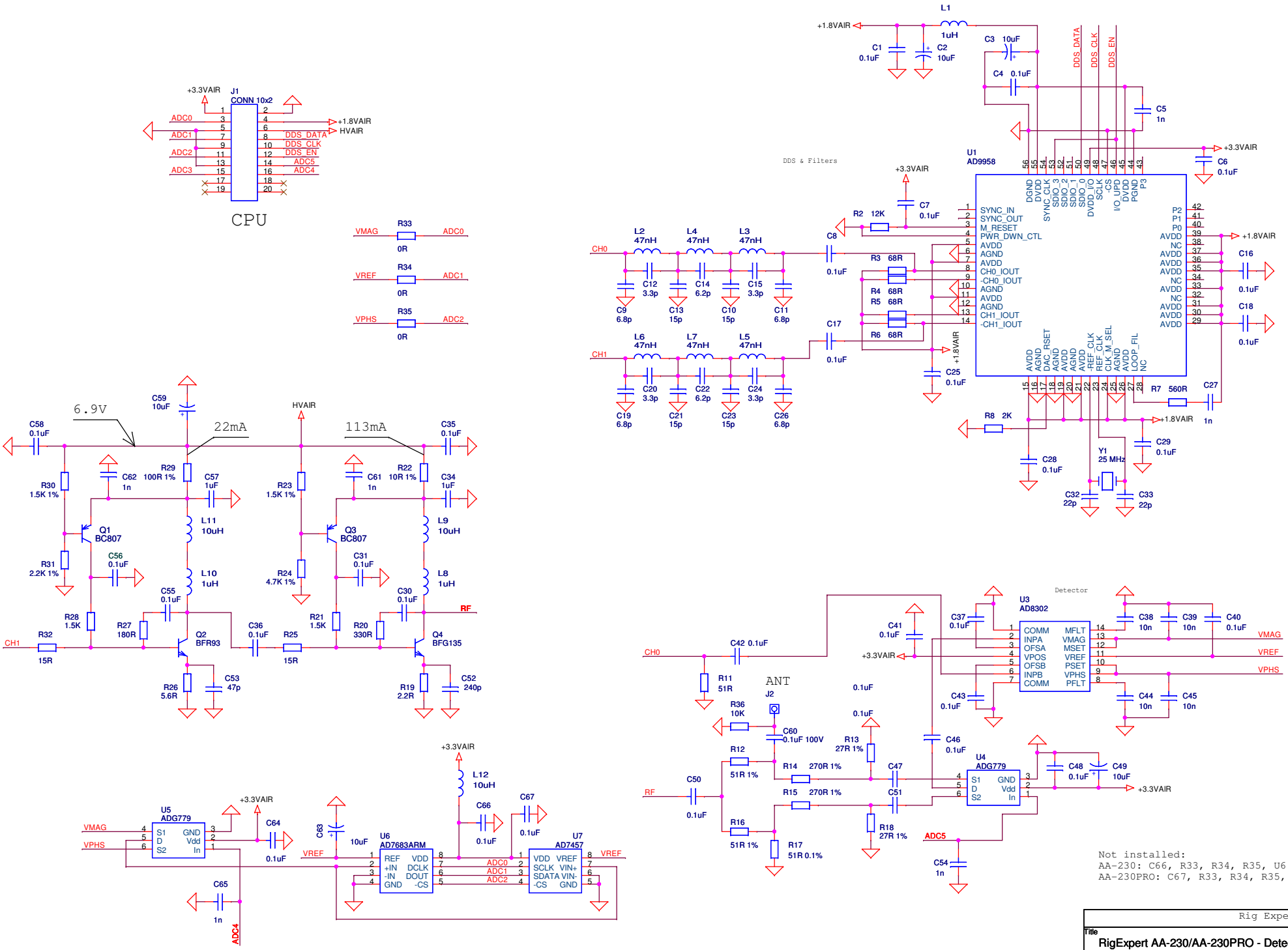
CPU
J1
CONN 10x2
+3.3VAIR
+1.8VAIR
HVAIR
ADC0
ADC1
ADC2
ADC3
DDS_DATA
DDS_CLK
DDS_EN
ADC5
ADC4
DDS & Filters
U1
AD9958
SYNC_IN
SYNC_OUT
M_RESET
PWR_DWN_CTL
AVDD
AGND
CH0_IOUT
-CH0_IOUT
CH1_IOUT
-CH1_IOUT
DGND
DVDD
SYNC_CLK
SDIO_3
SDIO_2
SDIO_1
SDIO_0
DVDD_IO
SCLK
CS
I/O_UPD
PGND
P3
P2
P1
P0
NC
DAC_RSET
REF_CLK
CLK_M_SEL
LOOP_FIL
CH0
CH1
L1
1uH
L2
47nH
L3
47nH
L4
47nH
L5
47nH
L6
47nH
L7
47nH
Y1
25 MHz
6.9V
22mA
113mA
HVAIR
RF
Q1
BC807
Q2
BFR93
Q3
BC807
Q4
BFG135
L11
10uH
L10
1uH
L9
10uH
L8
1uH
U5
ADG779
U6
AD7683ARM
U7
AD7457
L12
10uH
REF
+IN
-IN
GND
VDD
DCLK
DOUT
-CS
SCLK
SDATA
VIN+
VIN-
VMAG
VPHS
VREF
ADC4
Detector
U3
AD8302
COMM
INPA
OFSA
VPOS
OFSB
INPB
MFLT
VMAG
MSET
VREF
PSET
VPHS
PFLT
ANT
J2
U4
ADG779
S1
D
S2
GND
Vdd
In
Not installed:
AA-230: C66, R33, R34, R35, U6
AA-230PRO: C67, R33, R34, R35, U7
Rig Expert Ukraine Ltd.
Title
RigExpert AA-230/AA-230PRO - Detector Board v.8.1.7
Size
Document Number
REU.RM817DET
Rev
1
Date:
Wednesday, October 07, 2009
Sheet
1
of
1