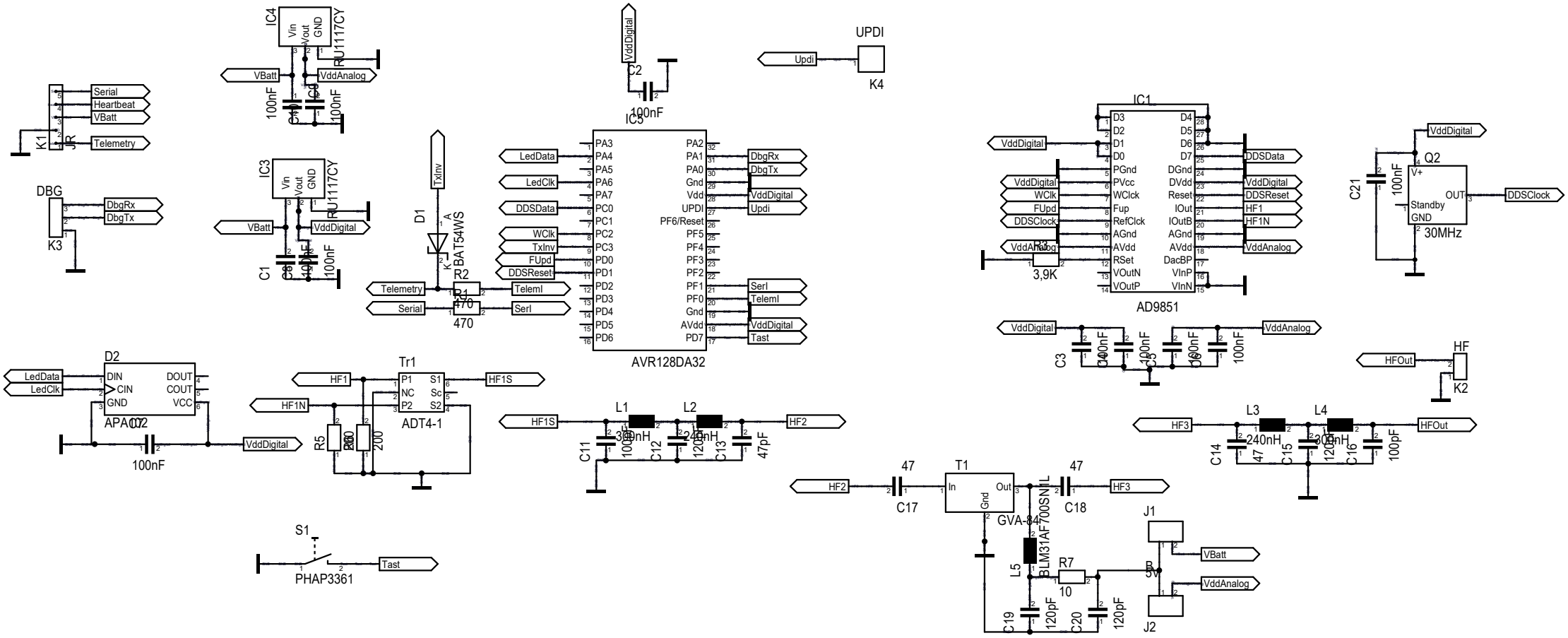
IC4
Vin
Vout
GND
RU1117CY
VBatt
VddAnalog
100nF
C4
C6
100nF
K1
JR
Serial
Heartbeat
VBatt
Telemetry
IC3
Vin
Vout
GND
RU1117CY
VBatt
VddDigital
C1
C5
100nF
100nF
DBG
K3
DbgRx
DbgTx
D1
BAT54WS
TxInv
R2
470
Telemetry
Serial
TelemI
SerI
VddDigital
C2
100nF
IC5
AVR128DA32
LedData
LedClk
DDSData
WClk
TxInv
FUpd
DDSReset
PA3
PA4
PA5
PA6
PA7
PC0
PC1
PC2
PC3
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PA2
PA1
PA0
Gnd
Vdd
UPDI
PF6/Reset
PF5
PF4
PF3
PF2
PF1
PF0
Gnd
AVdd
PD7
DbgRx
DbgTx
VddDigital
Updi
SerI
TelemI
VddDigital
Tast
UPDI
Updi
K4
IC1
AD9851
D3
D2
D1
D0
PGnd
PVcc
WClck
Fup
RefClck
AGnd
AVdd
RSet
VOutN
VOutP
D4
D5
D6
D7
DGnd
DVdd
Reset
IOut
IOutB
AGnd
AVdd
DacBP
VInP
VInN
VddDigital
WClk
FUpd
DDSClock
VddAnalog
R3
3,9K
DDSData
VddDigital
DDSReset
HF1
HF1N
VddAnalog
VddDigital
Q2
V+
Standby
GND
OUT
30MHz
C21
100nF
DDSClock
VddDigital
C3
C4
C5
C6
C7
C8
100nF
VddAnalog
HFOut
HF
K2
D2
APA102
LedData
LedClk
DIN
CIN
GND
DOUT
COUT
VCC
100nF
VddDigital
Tr1
ADT4-1
HF1
HF1N
P1
NC
P2
S1
Sc
S2
HF1S
R5
200
R6
200
HF1S
L1
L2
C11
C12
C13
47pF
HF2
HF2
47
C17
T1
GVA-84
In
Out
Gnd
47
C18
HF3
L5
BLM31AF700SN1L
R7
10
C19
120pF
C20
120pF
J1
B
5v
J2
VBatt
VddAnalog
HF3
L3
L4
C14
C15
C16
240nH
300nH
120nH
100pF
HFOut
S1
PHAP3361
Tast