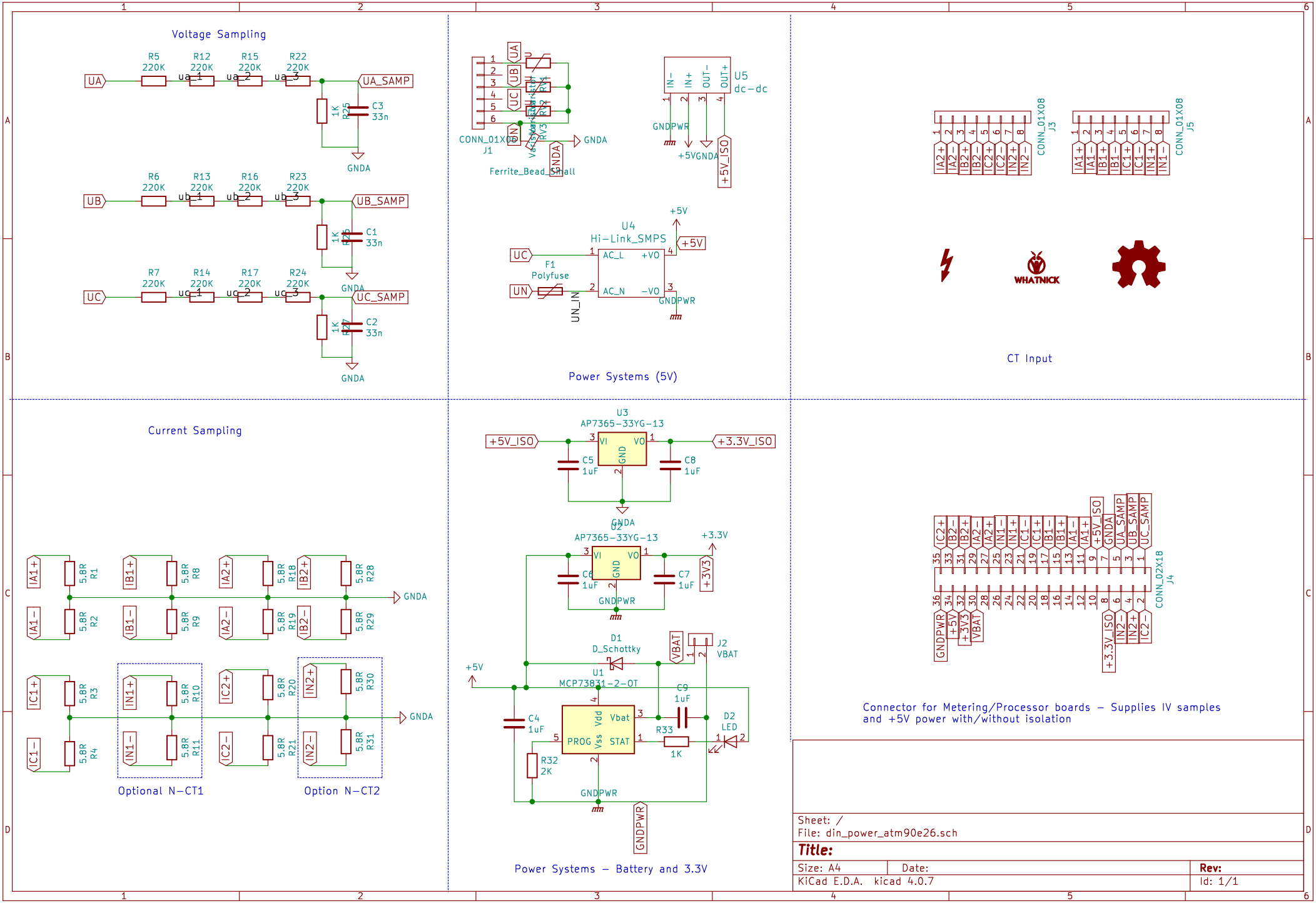
Voltage Sampling
UA
R5 220K
R12 220K
R15 220K
R22 220K
ua_1
ua_2
ua_3
UA_SAMP
1K R25
C3 33n
GNDA
UB
R6 220K
R13 220K
R16 220K
R23 220K
ub_1
ub_2
ub_3
UB_SAMP
1K R26
C1 33n
UC
R7 220K
R14 220K
R17 220K
R24 220K
uc_1
uc_2
uc_3
UC_SAMP
1K R27
C2 33n
CONN_01X06 J1
Ferrite_Bead_Small
U5 dc-dc
IN- IN+ OUT- OUT+
GNDPWR
+5V
GNDA
+5V_ISO
U4 Hi-Link_SMPS
AC_L +VO
AC_N -VO
F1 Polyfuse
UN_IN
Power Systems (5V)
CONN_01X08 J3
CONN_01X08 J5
IA2+ IA2- IB2+ IB2- IC2+ IC2- IN2+ IN2-
IA1+ IA1- IB1+ IB1- IC1+ IC1- IN1+ IN1-
WHATNICK
CT Input
Current Sampling
IA1+ IA1- IB1+ IB1- IA2+ IA2- IB2+ IB2-
IC1+ IC1- IN1+ IN1- IC2+ IC2- IN2+ IN2-
5.8R R1 R2 R8 R9 R18 R19 R28 R29
5.8R R3 R4 R10 R11 R20 R21 R30 R31
Optional N-CT1
Option N-CT2
U3 AP7365-33YG-13
+5V_ISO
+3.3V_ISO
C5 1uF
C8 1uF
U2 AP7365-33YG-13
+3.3V
C6 1uF
C7 1uF
+3V3
D1 D_Schottky
VBAT
J2 VBAT
U1 MCP73831-2-OT
Vdd Vbat PROG Vss STAT
C4 1uF
C9 1uF
R33 1K
D2 LED
R32 2K
Power Systems - Battery and 3.3V
CONN_02X18 J4
IC2+ IB2- IB2+ IA2- IA2+ IN1- IN1+ IC1- IC1+ IB1- IB1+ IA1- IA1+ +5V_ISO GNDA UA_SAMP UB_SAMP UC_SAMP
GNDPWR +5V +3V3 VBAT +3.3V_ISO IN2- IN2+ IC2-
Connector for Metering/Processor boards - Supplies IV samples
and +5V power with/without isolation
Sheet: /
File: din_power_atm90e26.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 4.0.7
Id: 1/1