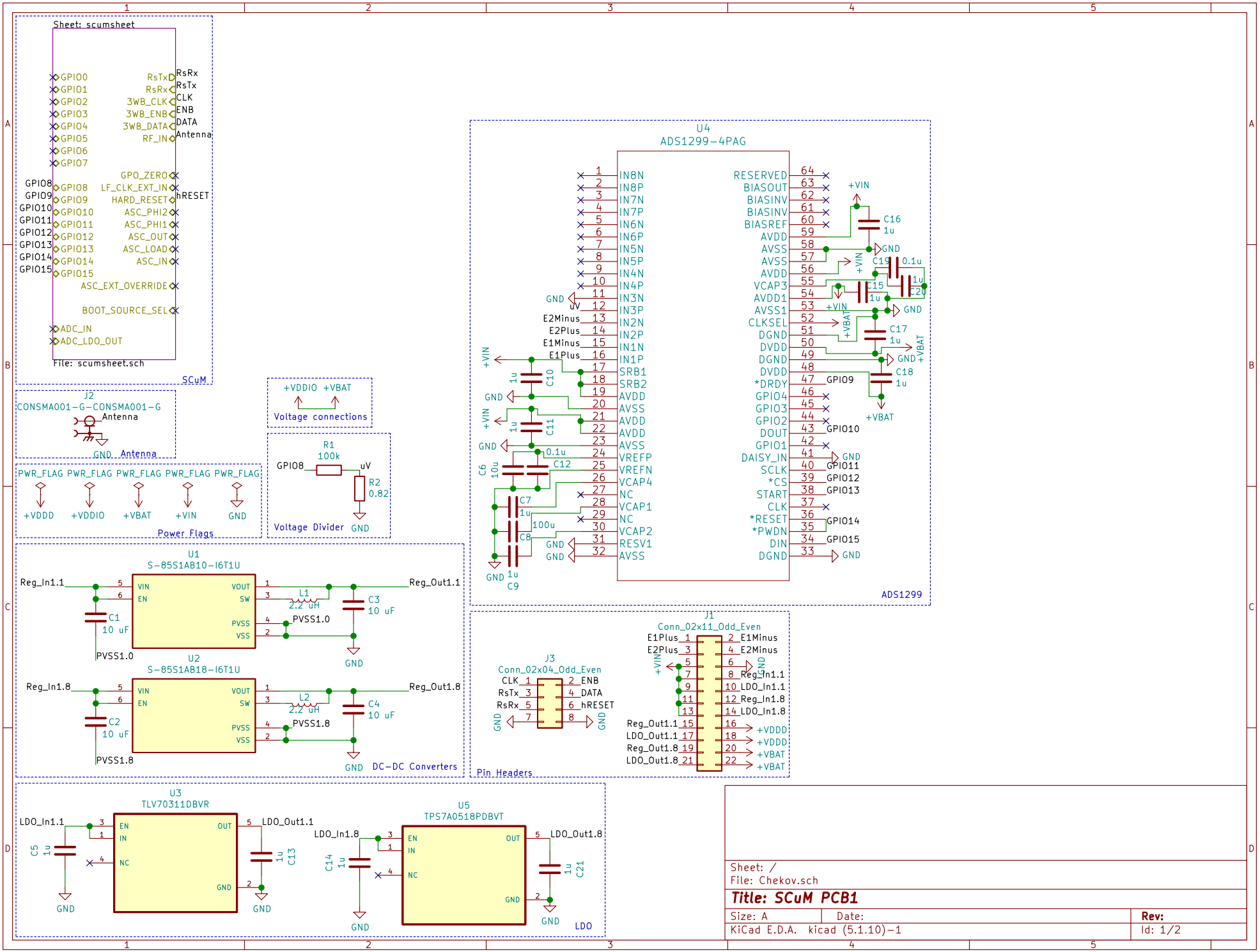
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SCuM
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14
GPIO15
ADC_IN
ADC_LDO_OUT
RsTx
RsRx
3WB_CLK
3WB_ENB
3WB_DATA
RF_IN
GPO_ZERO
LF_CLK_EXT_IN
HARD_RESET
ASC_PHI2
ASC_PHI1
ASC_OUT
ASC_LOAD
ASC_IN
ASC_EXT_OVERRIDE
BOOT_SOURCE_SEL
RsRx
RsTx
CLK
ENB
DATA
Antenna
hRESET
J2
CONSMA001-G-CONSMA001-G
Antenna
GND
Antenna
+VDDIO +VBAT
Voltage connections
R1
100k
GPIO8
uV
R2
0.82
Voltage Divider
GND
PWR_FLAG PWR_FLAG PWR_FLAG PWR_FLAG PWR_FLAG
+VDDD +VDDIO +VBAT +VIN GND
Power Flags
U1
S-85S1AB10-I6T1U
Reg_In1.1
VIN
EN
VOUT
SW
PVSS
VSS
C1
10 uF
L1
2.2 uH
C3
10 uF
Reg_Out1.1
PVSS1.0
GND
U2
S-85S1AB18-I6T1U
Reg_In1.8
C2
10 uF
L2
2.2 uH
C4
10 uF
Reg_Out1.8
PVSS1.8
DC-DC Converters
U4
ADS1299-4PAG
IN8N
IN8P
IN7N
IN7P
IN6N
IN6P
IN5N
IN5P
IN4N
IN4P
IN3N
IN3P
IN2N
IN2P
IN1N
IN1P
SRB1
SRB2
AVDD
AVSS
VREFP
VREFN
VCAP4
NC
VCAP1
VCAP2
RESV1
E2Minus
E2Plus
E1Minus
E1Plus
RESERVED
BIASOUT
BIASINV
BIASREF
VCAP3
AVDD1
AVSS1
CLKSEL
DGND
DVDD
*DRDY
GPIO4
GPIO3
GPIO2
DOUT
GPIO1
DAISY_IN
SCLK
*CS
START
CLK
*RESET
*PWDN
DIN
+VIN
+VBAT
C16
1u
C19
0.1u
C15
1u
C20
1u
C17
1u
C18
1u
C10
1u
C11
1u
C12
0.1u
C6
10u
C7
1u
C8
100u
C9
1u
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14
GPIO15
ADS1299
J3
Conn_02x04_Odd_Even
CLK
RsTx
RsRx
ENB
DATA
hRESET
J1
Conn_02x11_Odd_Even
E1Plus
E2Plus
E1Minus
Reg_In1.1
LDO_In1.1
Reg_In1.8
LDO_In1.8
Reg_Out1.1
LDO_Out1.1
Reg_Out1.8
LDO_Out1.8
+VDDD
+VBAT
Pin Headers
U3
TLV70311DBVR
LDO_In1.1
EN
IN
NC
OUT
GND
LDO_Out1.1
C5
1u
C13
1u
U5
TPS7A0518PDBVT
LDO_In1.8
LDO_Out1.8
C14
1u
C21
1u
LDO
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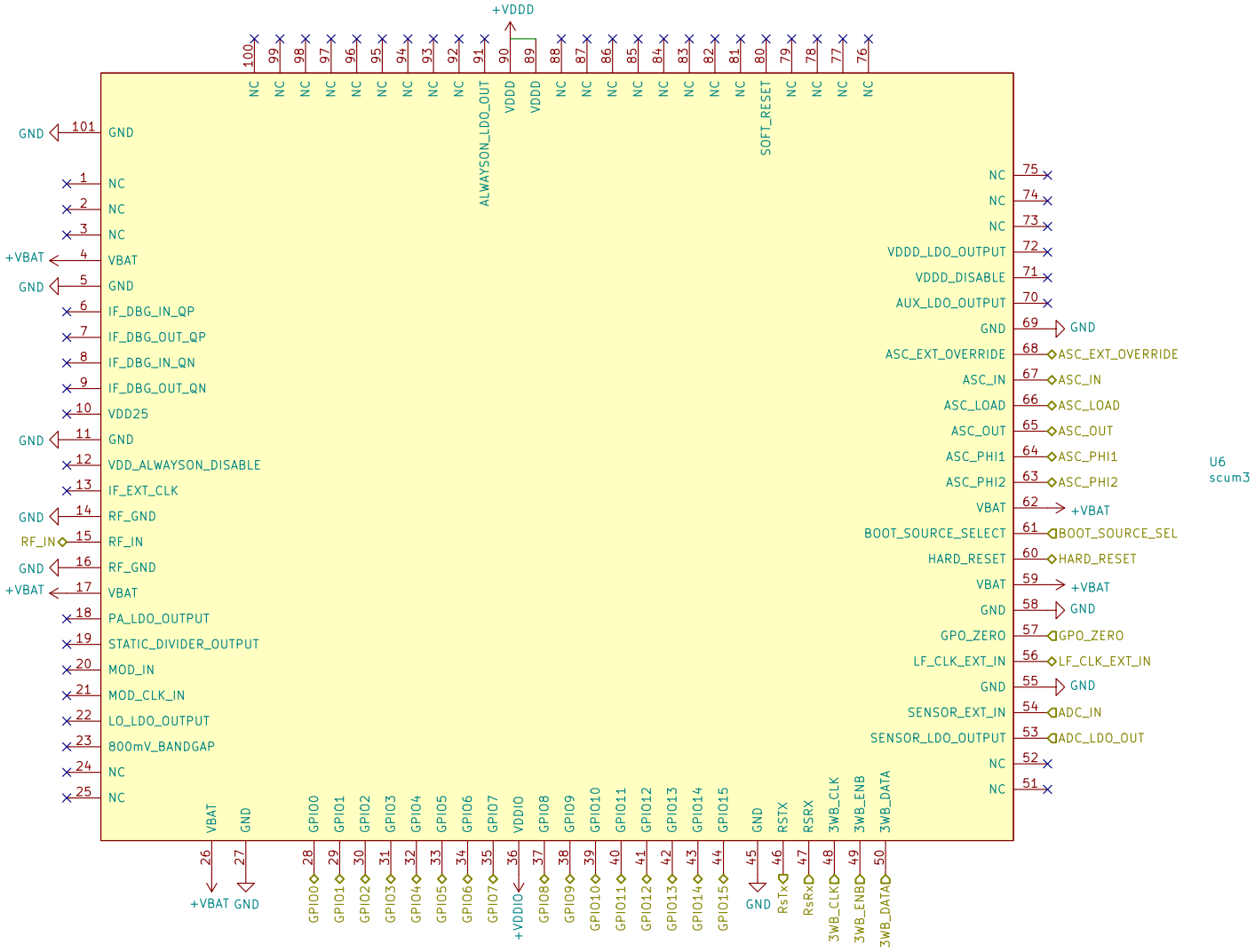
Size: A
Date:
Rev:
KiCad E.D.A. kicad (5.1.10)-1
Id: 1/2



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