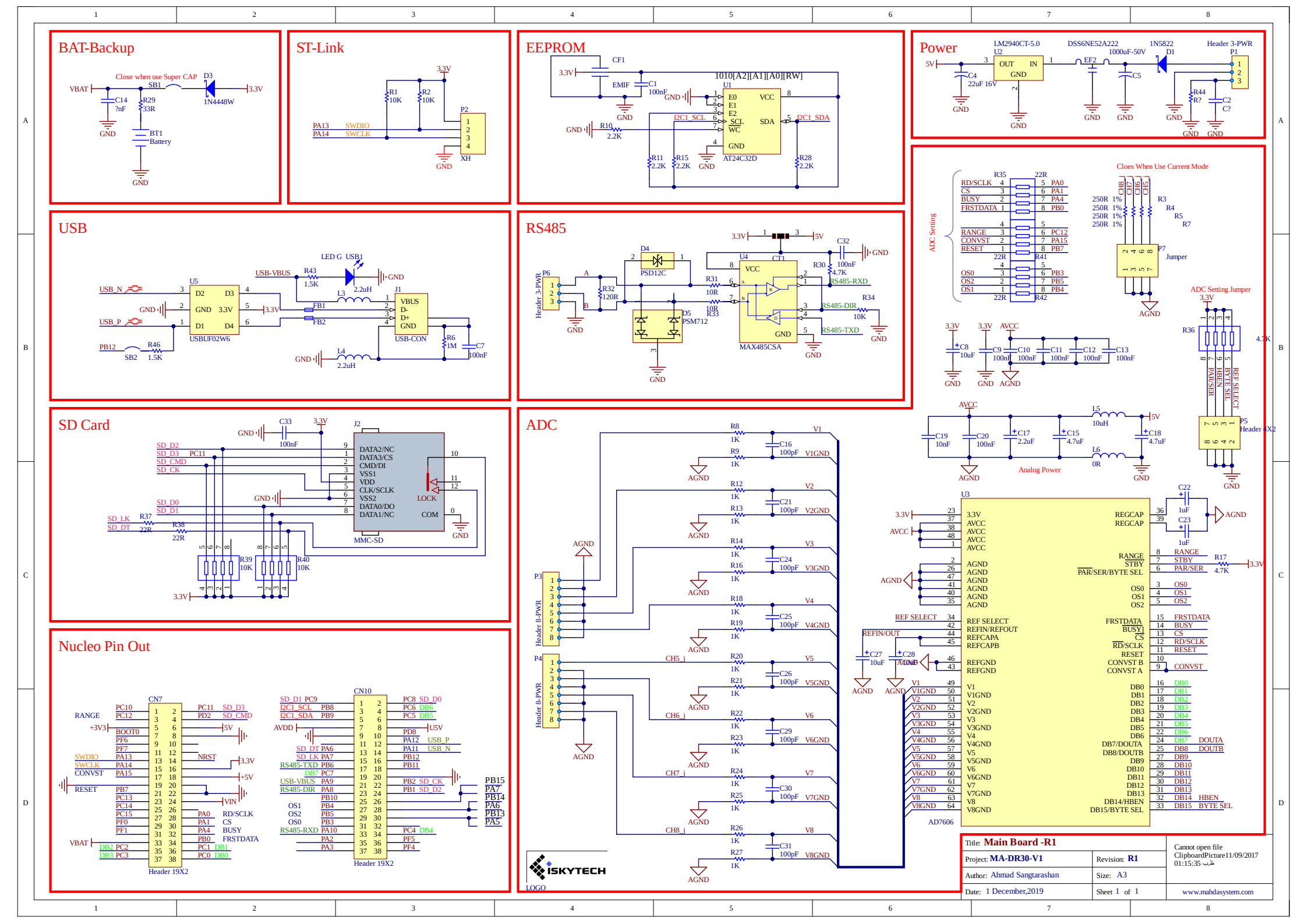
BAT-Backup
Close when use Super CAP
VBAT
SB1
D3
1N4448W
3.3V
C14
?nF
R29
33R
GND
BT1
Battery
ST-Link
3.3V
R1
10K
R2
10K
PA13
SWDIO
PA14
SWCLK
P2
XH
EEPROM
CF1
EMIF
C1
100nF
1010[A2][A1][A0][RW]
U1
E0
E1
E2
SCL
WC
VCC
SDA
GND
AT24C32D
I2C1_SCL
I2C1_SDA
R10
2.2K
R11
2.2K
R15
2.2K
R28
2.2K
Power
LM2940CT-5.0
U2
OUT
IN
GND
5V
C4
22uF 16V
DSS6NE52A222
1000uF-50V
EF2
C5
1N5822
D1
Header 3-PWR
P1
R44
R?
C2
C?
USB
USB_N
USB_P
PB12
SB2
R46
1.5K
U5
USBUF02W6
D2
D3
D1
D4
USB-VBUS
LED G USB1
R43
1.5K
2.2uH
L3
FB1
FB2
L4
J1
USB-CON
VBUS
D-
D+
R6
1M
C7
100nF
RS485
P6
Header 3-PWR
D4
PSD12C
R32
120R
R31
10R
R33
10R
D5
PSM712
U4
MAX485CSA
VCC
GND
CT1
C32
100nF
R30
4.7K
RS485-RXD
RS485-DIR
RS485-TXD
R34
10K
ADC Setting
RD/SCLK
CS
BUSY
FRSTDATA
RANGE
CONVST
RESET
OS0
OS2
OS1
R35
22R
R41
R42
PA0
PA1
PA4
PB0
PC12
PA15
PB7
PB3
PB5
PB4
Cloes When Use Current Mode
CH8
CH7
CH6
CH5
250R 1%
R3
R4
R5
R7
P7
Jumper
AGND
ADC Setting Jumper
R36
4.7K
P5
Header 4X2
REF SELECT
BYTE SEL
HBEN
PAR/SER
C8
10uF
C9
100nF
C10
100nF
C11
100nF
C12
100nF
C13
100nF
AVCC
Analog Power
L5
10uH
L6
0R
C19
10nF
C20
100nF
C17
2.2uF
C15
4.7uF
C18
4.7uF
SD Card
J2
MMC-SD
DATA2/NC
DATA3/CS
CMD/DI
VSS1
VDD
CLK/SCLK
VSS2
DATA0/DO
DATA1/NC
LOCK
COM
SD_D2
SD_D3
PC11
SD_CMD
SD_CK
SD_D0
SD_D1
SD_LK
SD_DT
R37
22R
R38
22R
R39
10K
R40
10K
C33
100nF
ADC
P3
P4
Header 8-PWR
R8
R9
R12
R13
R14
R16
R18
R19
R20
R21
R22
R23
R24
R25
R26
R27
1K
V1
V2
V3
V4
V5
V6
V7
V8
C16
C21
C24
C25
C26
C29
C30
C31
100pF
V1GND
V2GND
V3GND
V4GND
V5GND
V6GND
V7GND
V8GND
CH5_i
CH6_i
CH7_i
CH8_i
U3
AD7606
REFIN/OUT
C27
10uF
C28
100nF
C22
1uF
C23
1uF
REGCAP
RANGE
STBY
PAR/SER/BYTE SEL
OS0
OS1
OS2
FRSTDATA
BUSY
CS
RD/SCLK
RESET
CONVST B
CONVST A
CONVST
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7/DOUTA
DB8/DOUTB
DB9
DB10
DB11
DB12
DB13
DB14/HBEN
DB15/BYTE SEL
DOUTA
DOUTB
HBEN
BYTE SEL
R17
4.7K
Nucleo Pin Out
CN7
CN10
Header 19X2
RANGE
+3V3
BOOT0
SWDIO
SWCLK
CONVST
RESET
NRST
VIN
VBAT
RD/SCLK
CS
BUSY
FRSTDATA
AVDD
U5V
USB_P
USB_N
RS485-TXD
RS485-DIR
RS485-RXD
OS1
OS2
OS0
LOGO
ISKYTECH
Title: Main Board -R1
Project: MA-DR30-V1
Revision: R1
Author: Ahmad Sangtarashan
Size: A3
Date: 1 December,2019
Sheet 1 of 1
Cannot open file ClipboardPicture11/09/2017 01:15:35 ب.ظ
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Quantity	LibRef	Footprint	Designator	Description	Comment