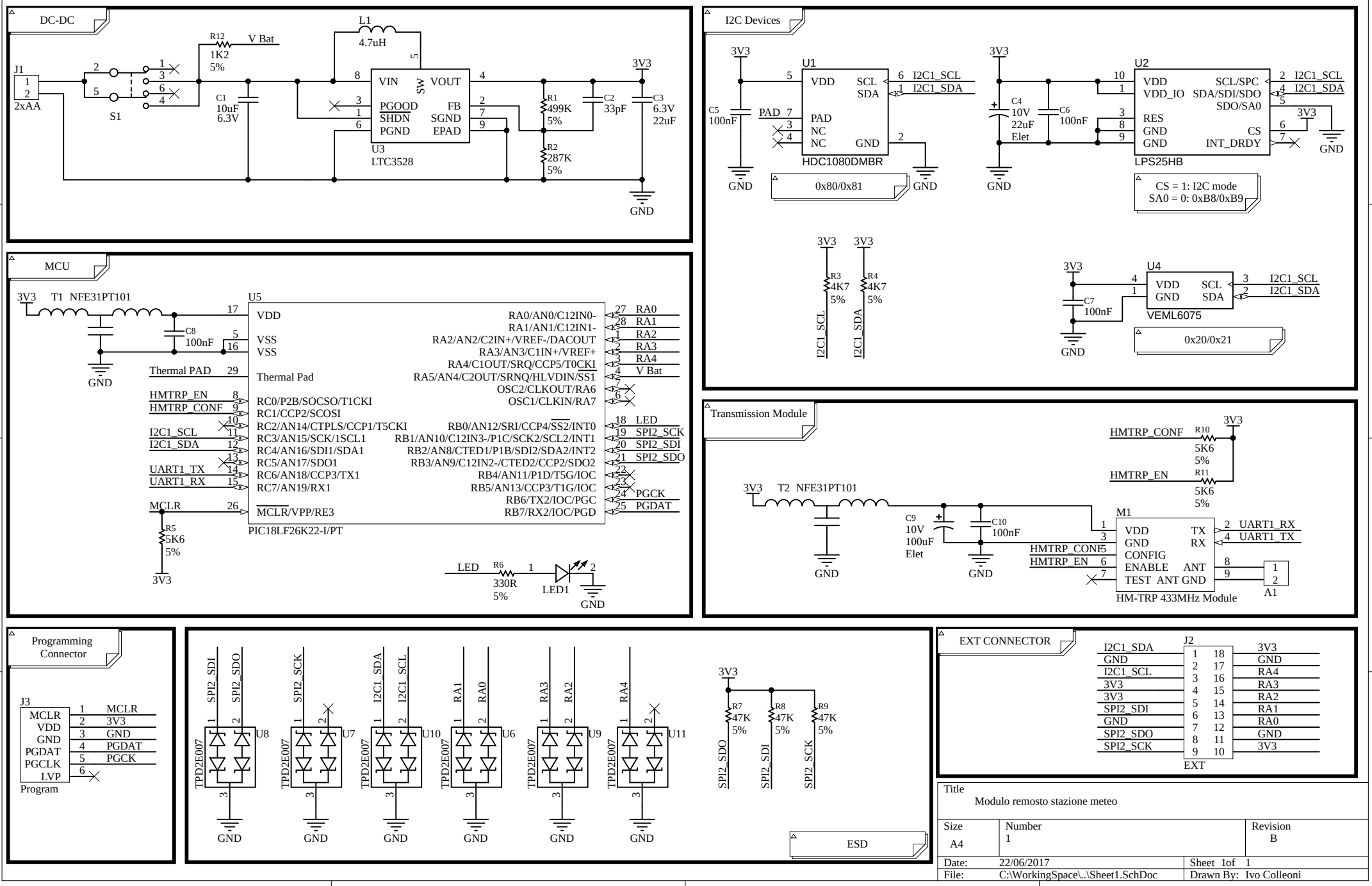
DC-DC
J1
2xAA
S1
R12
1K2
5%
V Bat
C1
10uF
6.3V
L1
4.7uH
U3
LTC3528
VIN
SW
VOUT
PGOOD
SHDN
PGND
FB
SGND
EPAD
R1
499K
5%
R2
287K
5%
C2
33pF
C3
6.3V
22uF
3V3
GND
I2C Devices
U1
HDC1080DMBR
VDD
SCL
SDA
PAD
NC
GND
C5
100nF
I2C1_SCL
I2C1_SDA
0x80/0x81
U2
LPS25HB
VDD
VDD_IO
RES
GND
SCL/SPC
SDA/SDI/SDO
SDO/SA0
CS
INT_DRDY
C4
10V
22uF
Elet
C6
100nF
CS = 1: I2C mode
SA0 = 0: 0xB8/0xB9
R3
4K7
5%
R4
4K7
5%
U4
VEML6075
C7
100nF
0x20/0x21
MCU
T1 NFE31PT101
C8
100nF
U5
PIC18LF26K22-I/PT
VDD
VSS
Thermal PAD
Thermal Pad
HMTRP_EN
HMTRP_CONF
I2C1_SCL
I2C1_SDA
UART1_TX
UART1_RX
MCLR
R5
5K6
5%
RA0/AN0/C12IN0-
RA1/AN1/C12IN1-
RA2/AN2/C2IN+/VREF-/DACOUT
RA3/AN3/C1IN+/VREF+
RA4/C1OUT/SRQ/CCP5/T0CKI
RA5/AN4/C2OUT/SRNQ/HLVDIN/SS1
OSC2/CLKOUT/RA6
OSC1/CLKIN/RA7
RC0/P2B/SOCSO/T1CKI
RC1/CCP2/SCOSI
RC2/AN14/CTPLS/CCP1/T5CKI
RC3/AN15/SCK/1SCL1
RC4/AN16/SDI1/SDA1
RC5/AN17/SDO1
RC6/AN18/CCP3/TX1
RC7/AN19/RX1
RB0/AN12/SRI/CCP4/SS2/INT0
RB1/AN10/C12IN3-/P1C/SCK2/SCL2/INT1
RB2/AN8/CTED1/P1B/SDI2/SDA2/INT2
RB3/AN9/C12IN2-/CTED2/CCP2/SDO2
RB4/AN11/P1D/T5G/IOC
RB5/AN13/CCP3/T1G/IOC
RB6/TX2/IOC/PGC
RB7/RX2/IOC/PGD
MCLR/VPP/RE3
LED
R6
330R
5%
LED1
Transmission Module
T2 NFE31PT101
C9
10V
100uF
Elet
C10
100nF
M1
HM-TRP 433MHz Module
VDD
GND
CONFIG
ENABLE
TEST
TX
RX
ANT
R10
5K6
5%
R11
5K6
5%
A1
Programming Connector
J3
Program
MCLR
VDD
GND
PGDAT
PGCLK
LVP
3V3
PGCK
ESD
U6
U7
U8
U9
U10
U11
TPD2E007
SPI2_SDI
SPI2_SDO
SPI2_SCK
I2C1_SDA
I2C1_SCL
RA1
RA0
RA3
RA2
RA4
R7
47K
5%
R8
47K
5%
R9
47K
5%
EXT CONNECTOR
J2
EXT
Title
Modulo remosto stazione meteo
Size
A4
Number
1
Revision
B
Date:
22/06/2017
File:
C:\WorkingSpace\..\Sheet1.SchDoc
Sheet 1of 1
Drawn By: Ivo Colleoni