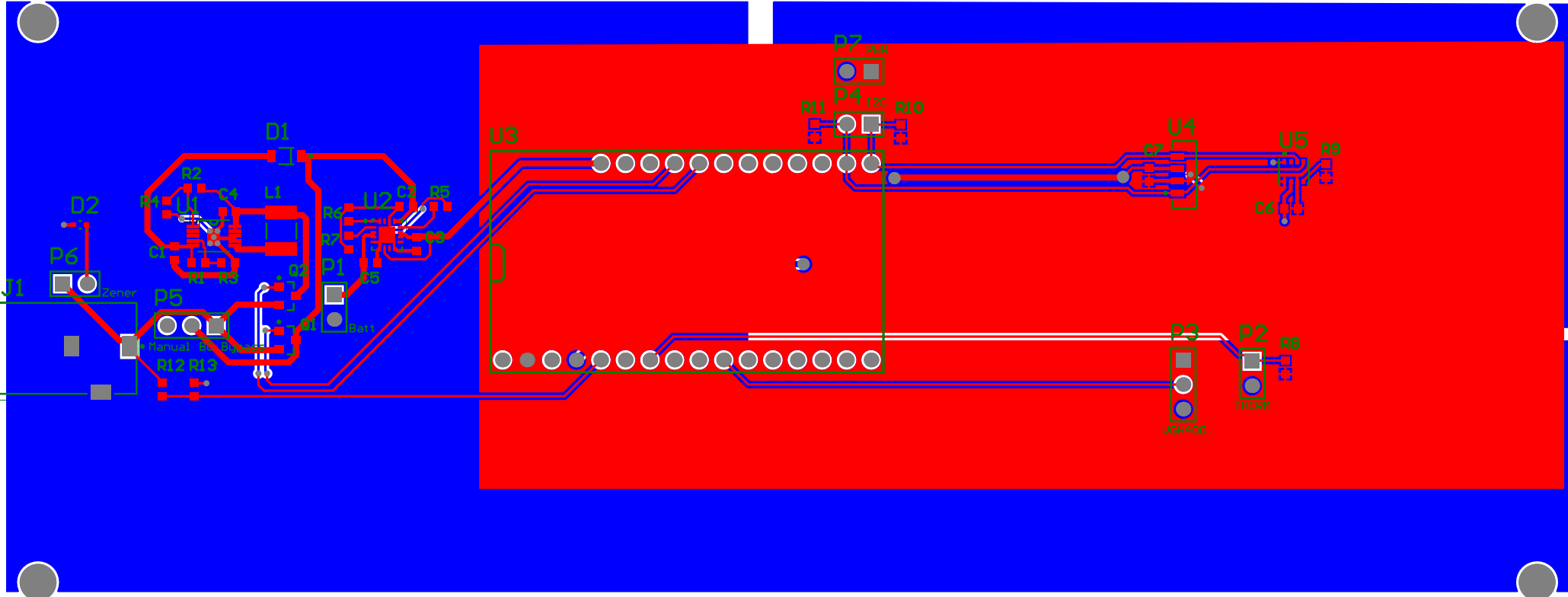


Title		
Size A4	Number	Revision
Date:	12/07/2020	Sheet of
File:	C:\Users\...\Smart Agriculture Schematic (Backup).SchDoc	



Comment	Description	Designator	Footprint	LibRef	Quantity
	Capacitor, Resistor	C1, C2, C3, C4, C5, C6, C7, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	1608[0603]	Cap, Res1	18
RB161MM-20TR	DIODE SCHOTTKY 25V 1A PMDU	D1	FP-PMDU-MFG	CMP-08971-000004-1	1
MM5Z5V1ST1G	Zener Voltage Regulator, 500 mW, 2-Pin SOD-523, Pb-Free, Tape and Reel	D2	ONSC-SOD-523-2-502-01_V	CMP-1060-00785-1	1
PJ-102B	Through Hole Right Angle DC Power Jack, 2.5 A, 2.5 mm Center Pin, 3 Position, -25 to 85 degC, RoHS, Bulk	J1	CUI-PJ-102B_V	CMP-2000-06900-1	1
	Inductor	L1	1812	Inductor	1
Battery	Header, 2-Pin	P1	HDR1X2	Header 2	1
Thermistor	Header, 2-Pin	P2	HDR1X2	Header 2	1
VGH400	Header, 3-Pin	P3	HDR1X3	Header 3	1
I2C Breakout	Header, 2-Pin	P4	HDR1X2	Header 2	1
BC Manual Bypass	Header, 3-Pin	P5	HDR1X3	Header 3	1
Zener Opt	Header, 2-Pin	P6	HDR1X2	Header 2	1
PWR Breakout	Header, 2-Pin	P7	HDR1X2	Header 2	1
IRLML6402	HEXFET(R) Power P-Channel MOSFET, -20 V, -3.7 A, -55 to 150 degC, 3-Pin SOT-23, RoHS, Tape and Reel	Q1, Q2	INTR-SOT-23-3_V	CMP-2000-04987-1	2
Res1	Resistor	R12, R13	1608[0603]	Res1	2
MCP16414-I/UN		U1	MSOP10_UN_MCH	Component_1	1
BQ24074RGTR	USB-Friendly Li-Ion Battery Charger and Power-Path Management IC, 10.5 V OVP, 4.3 V, -40 to 85 degC, 16-pin QFN (RGT), Green (RoHS & no Sb/Br)	U2	RGT0016C_V	CMP-0321-00220-2	1
Feather M0 LoRa		U3	FeatherM0LoRa	Feather M0 LoRa	1
VEML7700-TR	SENSOR OPT 545NM AMBIENT 4SMD	U4	FP-6_550-5300_02-4-MFG	CMP-02530-000005-1	1
BME280	SENSOR PRESSURE HUMIDITY TEMP	U5	FP-BME280-MFG	CMP-2000-05073-3	1