



Title		
Size	Number	Revision
A4		
Date:	11/24/2020	Sheet of
File:	C:\Users\...\Smart Agriculture Schematic (Edoan 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
	Default Diode	D1	SMC	Diode	1
5.1V	Zener Diode	D2	SMC	D Zener	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
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
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	Humidity Temperature Sensor 0 ~ 100% RH IÂ°C, SPI Â±3% 1s Surface Mount	U5	PSON65P250X250X10 0-8N	BME280	1