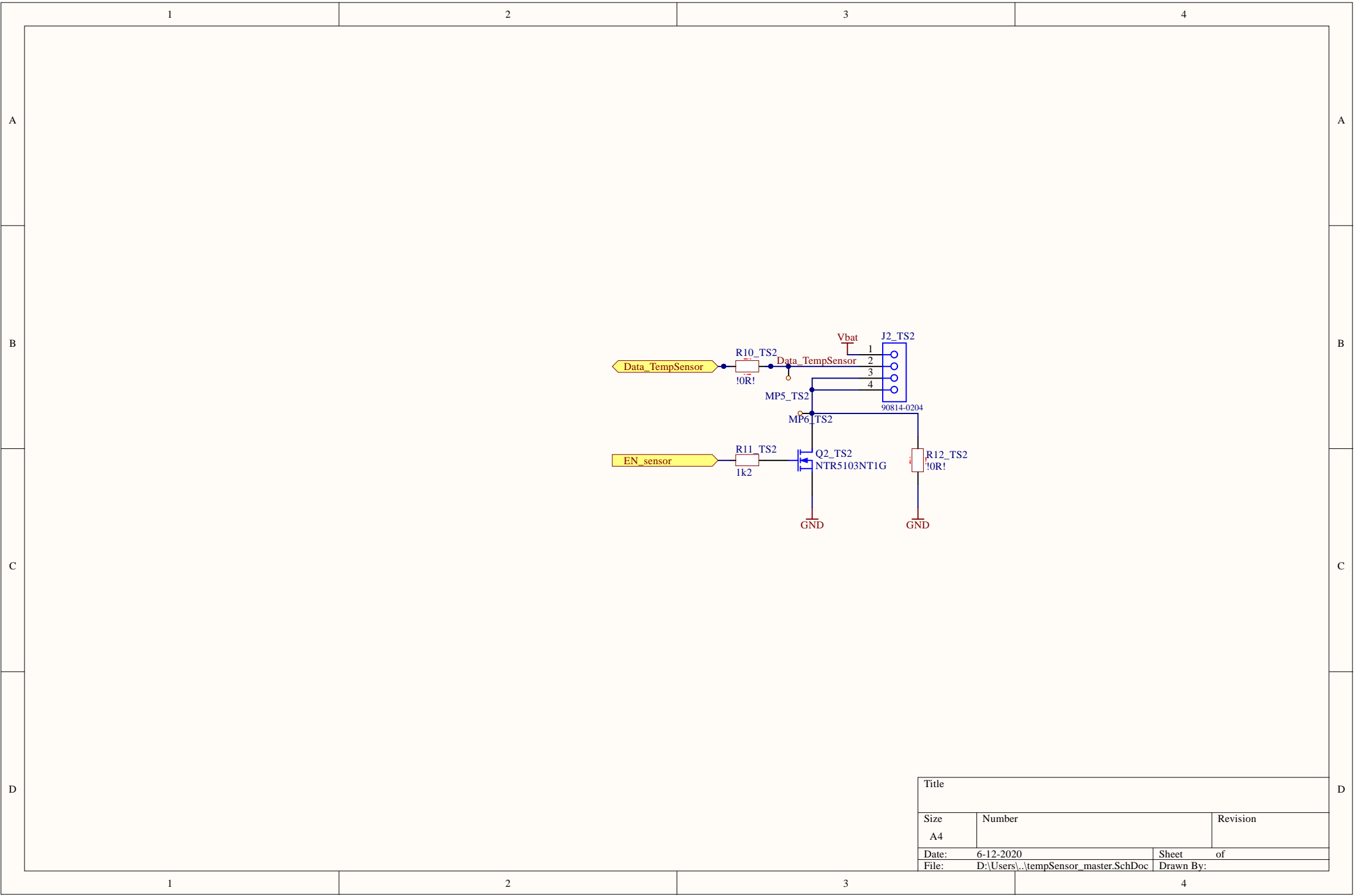
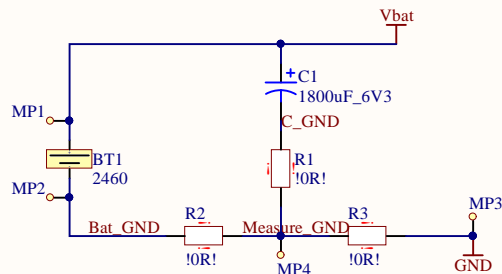


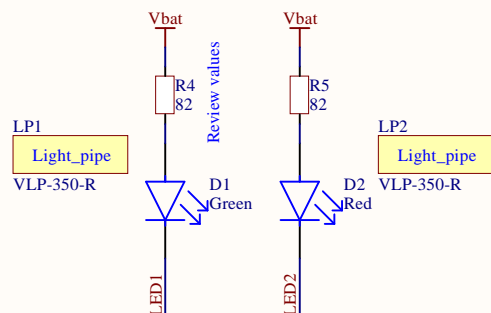
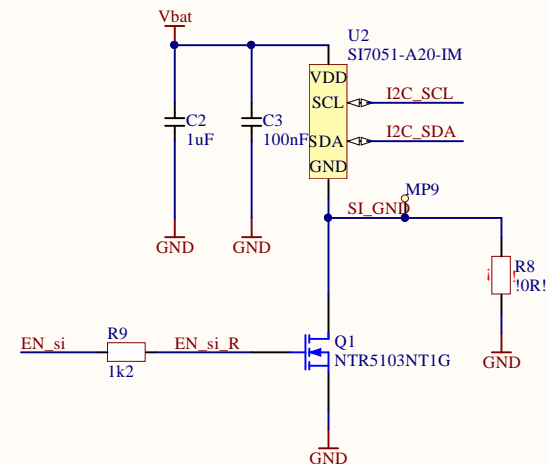
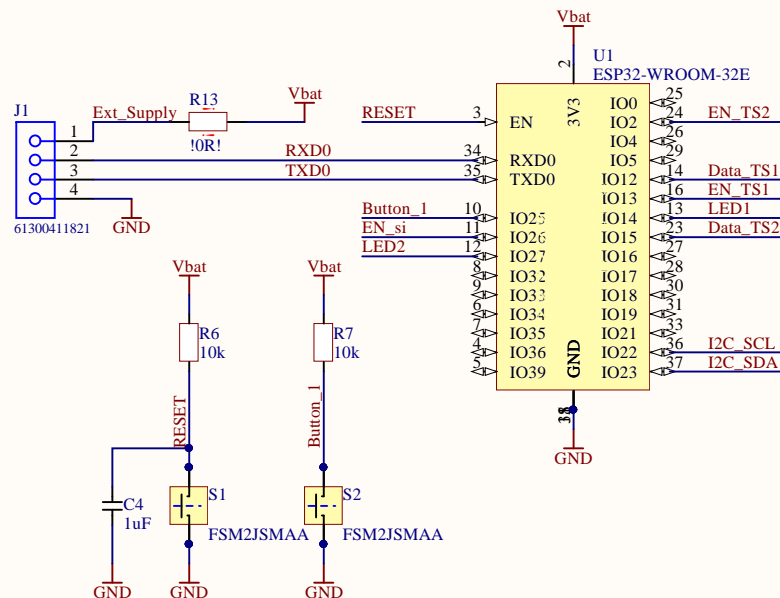
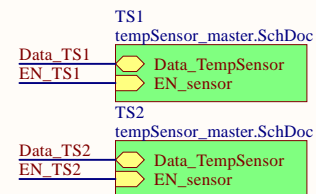
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Size	Number		Revision
A4			
Date:	6-12-2020	Sheet	of
File:	D:\Users\...\tempSensor_master.SchDoc	Drawn By:	



Title			
Size	Number		Revision
A4			
Date:	6-12-2020	Sheet	of
File:	D:\Users\...\tempSensor_master.SchDoc	Drawn By:	



Don't forget to place circuit for reverse voltage from battery clip



Title			
Size	Number		Revision
A4			
Date:	6-12-2020		Sheet of
File:	D:\Users\...\main_master.SchDoc		Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
2460	Battery Holder, AA x 1, Through Hole	BT1	KEystone_2410	2460	1
1800uF_6V3	SMD Aluminium Electrolytic Capacitor, Radial Can, 1800 µF, 10 V, 0.092 ohm, TRV Series	C1	CAPAE109103X105M	1800uF_6V3	1
1uF	1uF, 1206	C2, C4	C1206	1uF,1206	2
100nF	100nF, 1206	C3	C1206	100nF,1206	1
Green	Standard LEDs - SMD GRN WATER CLEAR 0805	D1	Kingbright_KPT-2012EC_0	AP2012MGC	1
Red	KPT-2012EC - LED, Low Power, Red, SMD, 0805 [2012 Metric], 30 mA, 2 V, 617 nm	D2	Kingbright_KPT-2012EC_0	KPT-2012EC	1
61300411821	THT Vertical Socket Header WR-PHD, Pitch 2.54 mm, Single Row, 4 pins	J1	61300411821	61300411821	1
90814-0204	Pin Header, Signal, 1.27 mm, 1 Rows, 4 Contacts, Surface Mount Straight, Picoflex 90814 Series	J2_TS1, J2_TS2	MOLEX_90814-0204	90814-0204	2
VLP-350-R	LIGHT PIPE, SINGLE, ROUND, PCB	LP1, LP2	VLP-350-R	VLP-350-R	2
NTR5103NT1G	Power MOSFET, N Channel, 60 V, 260 mA, 1 ohm, SOT-23, Surface Mount	Q1	SOT23	NTR5103NT1G	1
#NAME?	Power MOSFET, N Channel, 60 V, 260 mA, 1 ohm, SOT-23, Surface Mount	Q2_TS1, Q2_TS2	SOT23	NTR5103NT1G	2
82		R4, R5	R1206_Simple-Assemble	82, 1206	2
10k	10k, 1206, 250mW, 200V	R6, R7	R1206_Simple-Assemble	10k, 1206	2
1k2	SMD Chip Resistor, 1206 [3216 Metric], 1 kohm, MCSR 12 Series, 200 V, Ceramic, 250 mW	R9, R11_TS1, R11_TS2	R1206_Simple-Assemble	1k2, 1206	3
FSM2JSMAA	Tactile Switch, FSMJSM Series, Top Actuated, Surface Mount, Round Button, 260 gf, 50mA at 24VDC	S1, S2	FP-FSM2JSMAA-MFG	FSM2JSMAA	2
ESP32-WROOM-32E	USB-modules (802.11) SMD Module ESP32-WROOM-32E, ESP32-D0WD-V3, 16 MB SPI flash, PCB antenna	U1	ESP32-WROOM-32E	ESP32-WROOM-32E(M113EH2800PH3Q0)	1
SI7051-A20-IM	Temperature Sensor IC, Digital, ± 0.1°C, -40 °C, 125 °C, DFN, 6 Pins	U2	3x3 6-pin DFN	SI7051-A20-IM	1