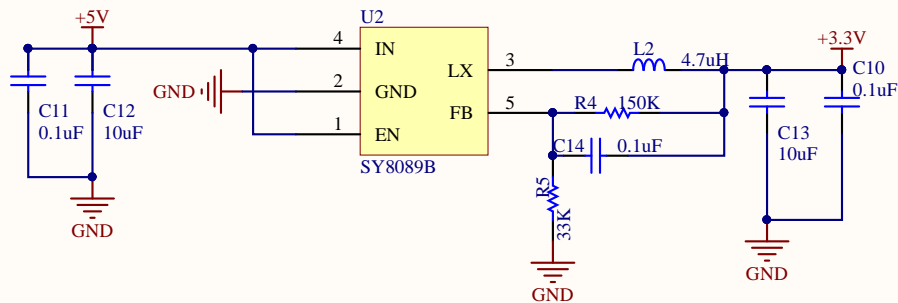
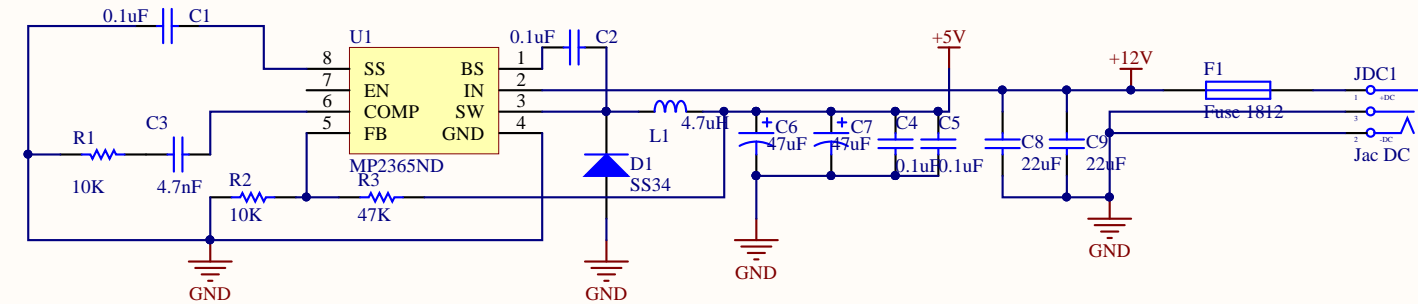
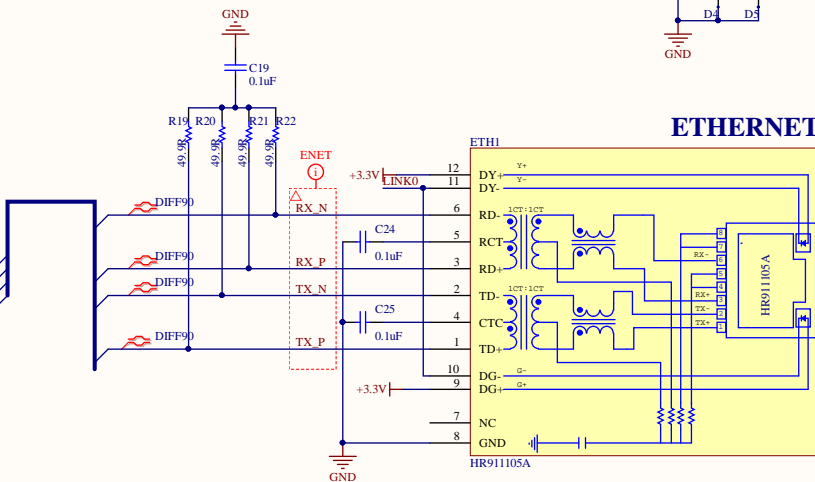
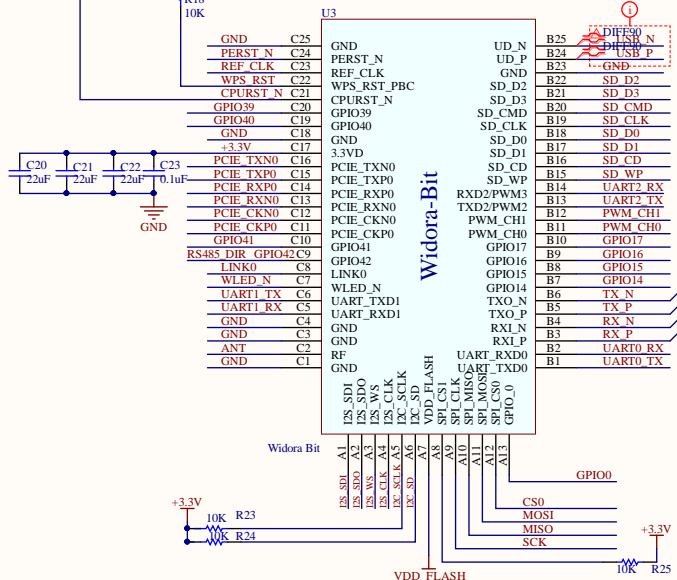
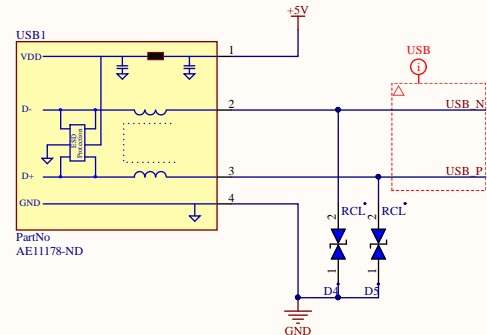
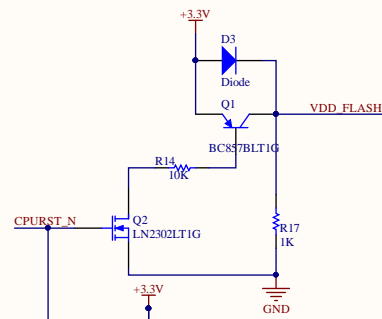
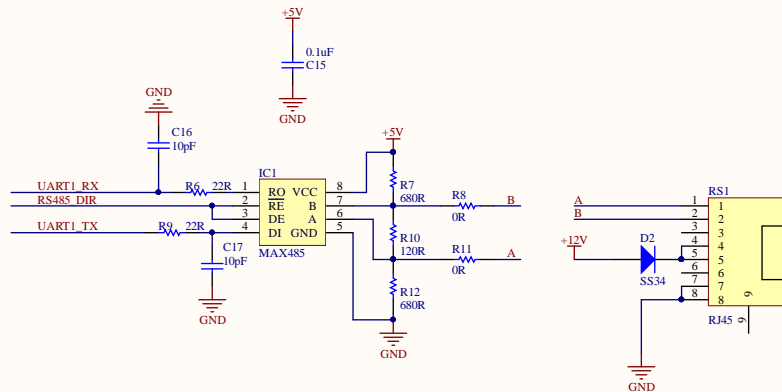
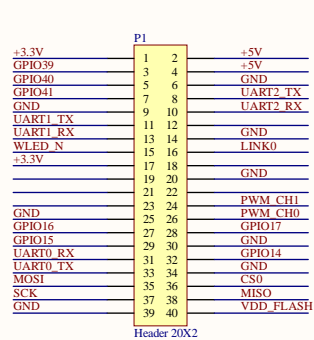


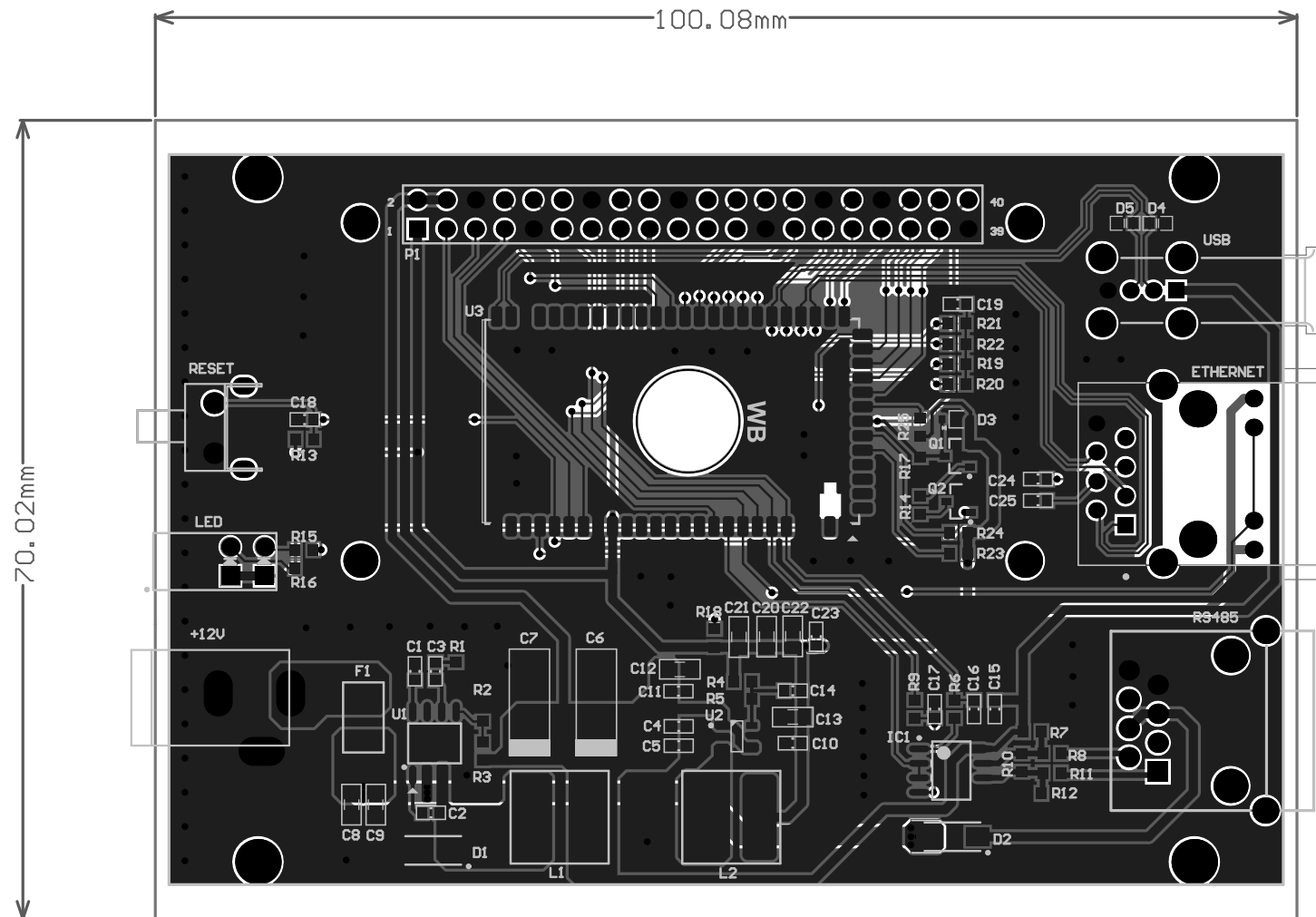
SIZE BOARD: 10x7 cm



Title		
Size	Number	Revision
A		
Date:	11/15/2019	Sheet of
File:	C:\Users\...\[1] - POWER.SchDoc	Drawn By:



Title		
Size	Number	Revision
A3		
Date:	11/15/2019	Sheet of
File:	C:\Users\j21 - WIDORA\SchDoc	Drawn By:



Size: 100x70mm

Layer: 2 Layer

Material: FR4

FR4-TG: 130-140

Thickness: 1.6mm

Solder Mask: Green

Silkscreen: White

SF: HASL with lead

FC: 10Z

PROJECT: WIDORA GATEWAY

PCB Design: EPCB.VN

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	CC0603KFX7R9BB104 0603 0.1 uF 50 V ±10% Tolerance X7R SMT Multilayer Ceramic Capacitor	C1, C2, C4, C5, C10, C11, C14, C15, C18, C19, C23, C24, C25	CN-SMD-0603	CN0603-0.1uF	13
4.7nF	CC0603KRX7R9BB472 Surface Mount Ceramic Multilayer Capacitor 0.0047uF 10% X7R 50V 0603 Paper T/R	C3	CN-SMD-0603	CN0603-4.7nF	1
47uF	TPSC476M016R0350 CAP TANT 47UF 16V 20% 2312	C6, C7	Cap size C	CN6032-47uF	2
22uF	CC0805MKX6R6BB226 0805 22 uF 10 V ±20 % Tolerance X5R SMT Multilayer Ceramic Capacitor	C8, C9, C20, C21, C22	CN-SMD-0805	CN0805-22uF	5
10uF	CC0805KXX8BBB106 0805 10 uF 25 V ±10 % Tolerance X5R SMT Multilayer Ceramic Capacitor	C12, C13	CN-SMD-0805	CN0805_10uF	2
10pF	CC0603JRNPO9BN100 Surface Mount Ceramic Multilayer Capacitor 10pF 5% COG 50V 0603 Paper T/R	C16, C17	CN-SMD-0603	CN0603-10pF	2
SS34	SS34 DIODE SCHOTTKY 40V 3A SMC	D1, D2	DO-214AC	Diode_SS34	2
Diode	Default Diode	D3	SOD323	Diode	1
RCL	ESD Suppressor TVS A±20KV 2-Pin SLP1006P2T1/R	D4, D5	RES-0603	RCLAMP0531TQCT	2
HR911105A		ETH1	HR911105A	RJ45 - Tranformer	1
Fuse 1812	Fuse	F1	fuse_1812	Fuse 1	1
MAX485	RS232 - RS485 (Same sn75176)	IC1	SO8	MAX485	1
Jac DC	Jac DC input	JDC1	DC0	DCIN_1	1
4.7uH	CDRH5D28RHPNP- 4R7NC Fixed Inductors 4.7uH 3.05A	L1, L2	INDUCTOR CD75	L-4.7uH	2
122-000-04-52	LED 3MM PCB, BL- LEVEL, RED/GRN: LED / Lamp Size: 3mm / T-1: LED Colour: Green, Red: Viewing Angle: 30A° Forward Cur	LED	*122-000-04-52, 122- 000-04-52(Primary)	122-000-04-52	1
Header 20X2	Header, 20-Pin, Dual row	P1	HDR2X20	Header 20X2	1
BC857BLT1G	PNP Bipolar Transistor	Q1	SOT-23B_L	BC857BLT1G	1
LN2302LT1G	N-Channel MOSFET	Q2	SOT-23B_L	MOSFET-N	1
10K	AC0603FR-0710KL Res Thick Film 0603 10K Ohm 1% 0.1W(1/10W) ±100ppm/C Pad SMD Automotive T/R	R1, R2, R13, R14, R18, R23, R24, R25	RES 0603	RC0603_10K	8
47K	AC0603JR-0747KL Res Thick Film 0603 47K Ohm 5% 0.1W(1/10W) ±/-100ppm/BC Epoxy SMD Automotive T/R	R3	RES 0603	RC0603_47K	1
150K	RC0603JR-07150KL Res Thick Film 1.6 x 0.8 mm 150K Ohm 5% 0.1W(1/10W) 100ppm/ C Molded SMD Paper T/R	R4	RES 0603	RC0603_150K	1
33K	AC0603JR-0733KL Res Thick Film 0603 33K Ohm 5% 0.1W(1/10W) ±100ppm/C Pad SMD Automotive T/R	R5	RES 0603	RC0603_33K	1
22R	311-22GRCT-ND Res Thick Film 0603 22 Ohm 5% 0.1W(1/10W) ±100ppm/C Pad SMD T/R	R6, R9	RES 0603	RC0603_22R	2
680R	AC0603JR-07680RL Res Thick Film 0603 680 Ohm 5% 0.1W(1/10W) ±/-100ppm/BC Epoxy SMD Automotive T/R	R7, R12	RES 0603	RC0603_680R	2
0R	AC0603JR-070RL Res Thick Film 0603 0 Ohm Jumper 1/10W Molded SMD Paper T/R	R8, R11	RES 0603	RC0603_0R	2
120R	RC0603JR-07120RL Res Thick Film 0603 120 Ohm 5% 0.1W(1/10W) ±100ppm/C Pad SMD T/R	R10	RES 0603	RC0603_120R	1
1K	YC164-JR-071KL Res Thick Film Array 1KOhm 5% 200ppm/C SOL Epoxy 8-Pin 1206(4 X 0603) Convex SMD T/R	R15, R16, R17	RES 0603	RC0603_1K	3
49.9R	YAG5744CT-ND Res Thin Film 0603 49.9 Ohm 1% 1/10W ±50ppm/C Molded SMD SMD Paper T/R	R19, R20, R21, R22	RES 0603	RC0603_49.9R	4
SW-SMD	Switch	RESET1	SW2-D2 - duplicate	SW-SMD	1
RJ45		RS1	RJ45_8PIN_VOSAT_V2	RJ45	1
MP2365ND	MP2365ND	U1	MP2365ND	Switching MP2365ND	1
SY8089B	High Efficiency 5.5V, 2A continuous, 3A peak, 1MHz Synchronous Step Down Regulator	U2	SOT23-5	SY8089B	1
Widora Bit	Widora MT7688	U3	WIDORA	Widora	1
PartNo	THT USB 2.0 A Connecto	USB1	USB A Vertical	USB-4	1