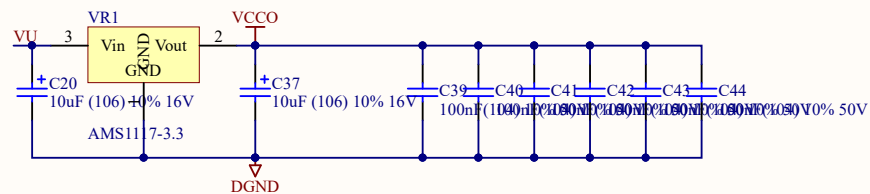
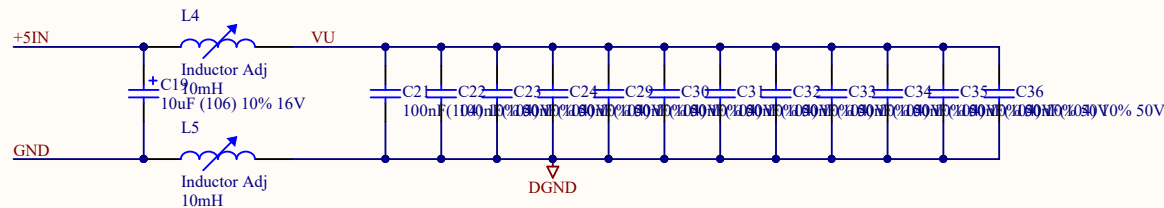
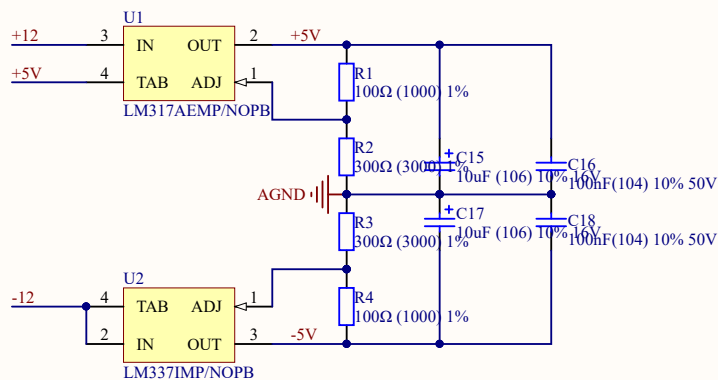
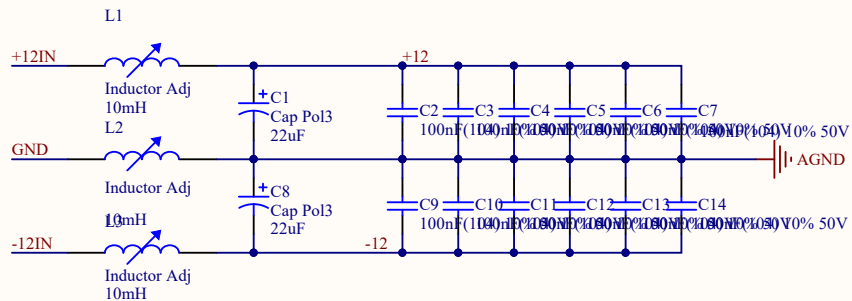
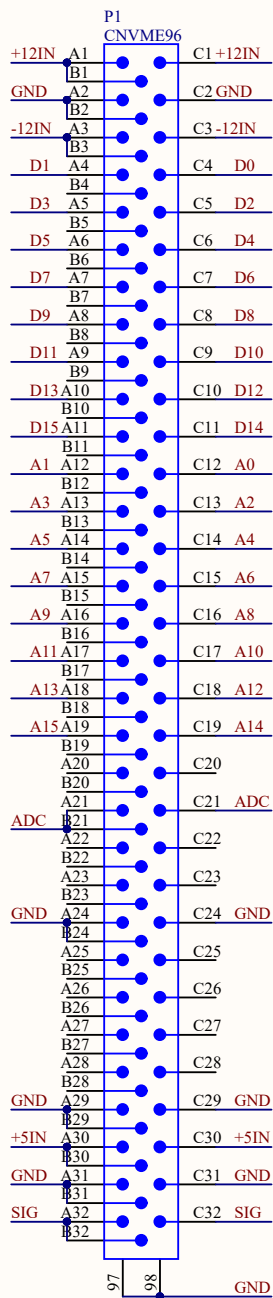
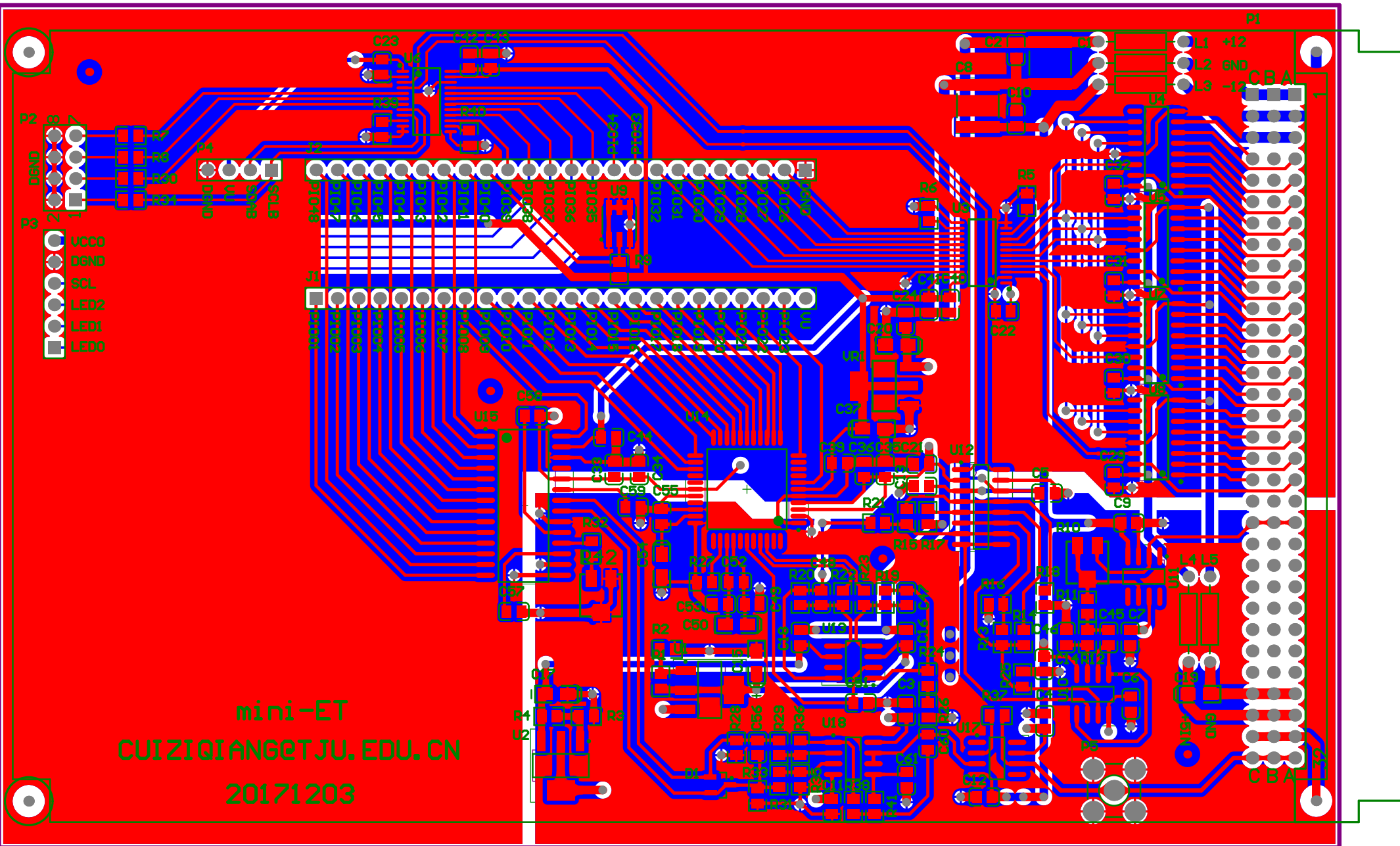


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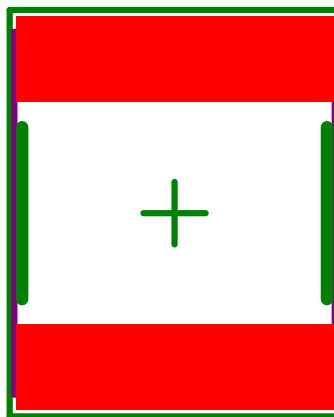
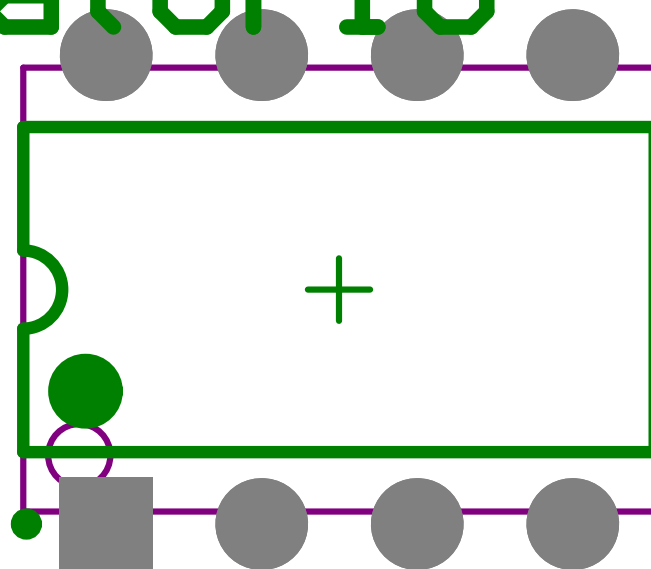
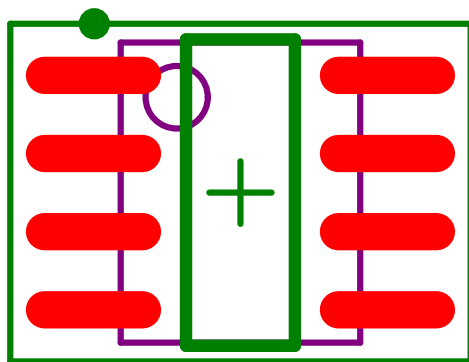
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mini-ET
CUIZIQIANG@TJU.EDU.CN
20171203



Designator 17

Designator 16



Comment	Description	Designator	Footprint	LibRef	Quantity
Cap Pol3	Polarized Capacitor (Surface Mount)	C1, C8	2220	Cap Pol3	2
100nF(104) 10% 50V	贴片电容	C2, C3, C4, C5, C6, C7, C9, C10, C11, C12, C13, C14, C16, C18, C21, C22, C23, C24, C29, C30, C31, C32, C33, C34, C35, C36, C39, C40, C41, C42, C43, C44, C49, C51, C52, C53, C55, C57, C58, C59	LC-0805_C	0805 100nF(104) 10% 50V	40
10uF (106) 10% 16V	钽电容	C15, C17, C19, C20, C37, C50, C54	LC-CASE-A_3216	3216 10uF (106) 10% 16V	7
10pF (100) 5% 50V	贴片电容	C45, C46, C60, C61	LC-0805_C	0805 10pF (100) 5% 50V	4
10nF (103) 10% 50V	贴片电容	C47, C48	LC-0805_C	0805 10nF (103) 10% 50V	2
22pF (220) 5% 50V	贴片电容	C56	LC-0805_C	0805 22pF (220) 5% 50V	1
1PS89SB74	Schottky Barrier Double Diode	D1	SOT23_M	1PS89SB74	1
Header 24	Header, 24-Pin	J1, J2	HDR1X24	Header 24	2
Inductor Adj	Adjustable Inductor	L1, L2, L3, L4, L5	AXIAL-0.4	Inductor Adj	5
CNVME96	96-Pin Connector (3x32 2.54mm grid)	P1	CNVME96	CNVME96	1
Header 4X2	Header, 4-Pin, Dual row	P2	HDR2X4	Header 4X2	1
Header 6	Header, 6-Pin	P3	HDR1X6	Header 6	1
Header 4	Header, 4-Pin	P4	HDR1X4	Header 4	1
SMB	SMB Straight Connector	P5	SMB_V-RJ45	SM8	1
100Ω (1000) 1%	贴片电阻	R1, R4, R29, R31	LC-0805_R	0805 100Ω (1000) 1%	4
300Ω (3000) 1%	贴片电阻	R2, R3	LC-0805_R	0805 300Ω (3000) 1%	2
0Ω (0R0) 1%	贴片电阻	R5, R6, R39, R40	LC-0805_R	0805 0Ω (0R0) 1%	4
1KΩ (1001) 1%	贴片电阻	R7, R8, R9, R30, R34, R35, R36	LC-0805_R	0805 1KΩ (1001) 1%	7
2K	Square Trimming Potentiometer	R10	POT4MM-2	RPot SM	1
33KΩ (3302) 1%	贴片电阻	R11, R12, R38, R41	LC-0805_R	0805 33KΩ (3302) 1%	4
200Ω (2000) 1%	贴片电阻	R13, R16, R18	LC-0805_R	0805 200Ω (2000) 1%	3
1.5KΩ (1501) 1%	贴片电阻	R14	LC-0805_R	0805 1.5KΩ (1501) 1%	1
3KΩ (3001) 1%	贴片电阻	R15	LC-0805_R	0805 3KΩ (3001) 1%	1
510Ω (5100) 1%	贴片电阻	R17, R19, R20, R21, R24, R37	LC-0805_R	0805 510Ω (5100) 1%	6
49.9Ω (49R9) 1%	贴片电阻	R22, R23, R25, R28, R33	LC-0805_R	0805 49.9Ω (49R9) 1%	5
15Ω (15R0) 1%	贴片电阻	R26	LC-0805_R	0805 15Ω (15R0) 1%	1
2KΩ (2001) 1%	贴片电阻	R27, R32	LC-0805_R	0805 2KΩ (2001) 1%	2
20K	Square Trimming Potentiometer	R42	POT4MM-2	RPot SM	1
LM317AEMP/NOPB	3-Terminal Adjustable Regulator, 4-pin SOT- 223, Pb-Free	U1	MP04A_N	LM317AEMP/NOPB	1
LM337IMP/NOPB	3-Terminal Adjustable Negative Regulator, 4- pin SOT-223, Pb-Free	U2	MP04A_N	LM337IMP/NOPB	1
SN74LVC4245APWRG4	74系列逻辑芯片	U3, U6	LC-TSSOP-24	SN74LVC4245APWRG4	2
74HC595D	74系列逻辑芯片	U4, U5, U7, U8	LC-SOIC-16_150mil	74HC595D	4
DS2432P	256-Bit 1-Wire EEPROM	U9	TSOC6	DS2430AP	1
AD8066AR	Low Cost, 300MHz Voltage Feedback Amplifier	U10, U18	SO-8_N	AD8056AR	2
AD817AR	High-Speed, Low- Power Wide Supply Range Amplifier	U11, U17	SO-8_N	AD817AR	2
MAX309ESE	Precision, Dual 4- Channel, High- Performance, CMOS Analog Multiplexer	U12	NSO16_N	MAX309ESE	1
AD8138ARZ		U13	SO-8_N	AD8138ARZ	1
AD9240AS	Complete 14-Bit, 10 MSPS Monolithic A/D Converter, 44-Pin MQFP, Industrial	U14	S-44-MQFP_N	AD9240AS	1
AD9764ARZ	Single 14-Bit TxDAC, 125 Msps, -40 to +85 degC, RW-28, Pb-Free, Tube	U15	RW-28_N	AD9764ARZ	1
AMS1117-3.3	低压差线性稳压(LDO)	VR1	LC-SOT-223	SOT-223 AMS1117-3.3	1