

A

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A

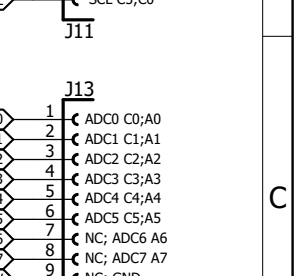
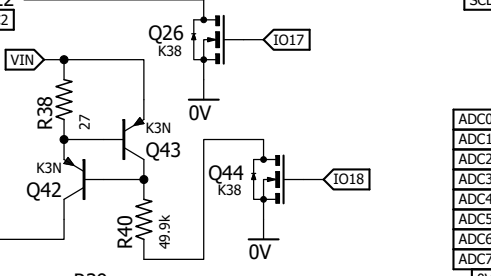
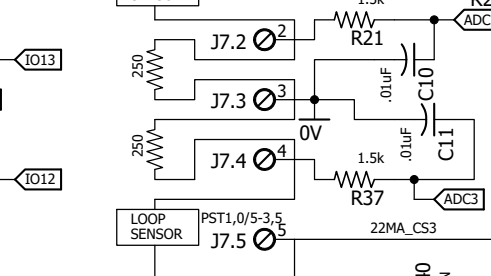
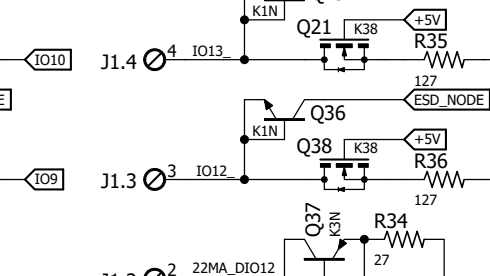
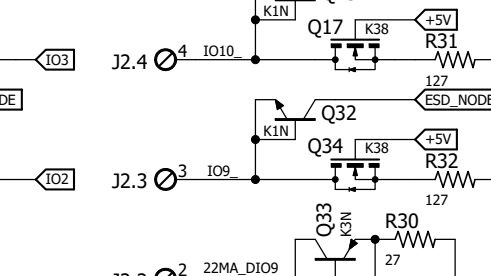
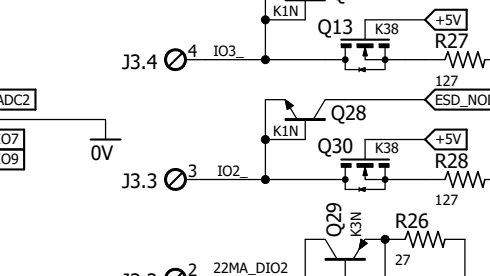
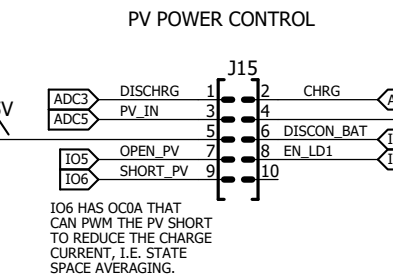
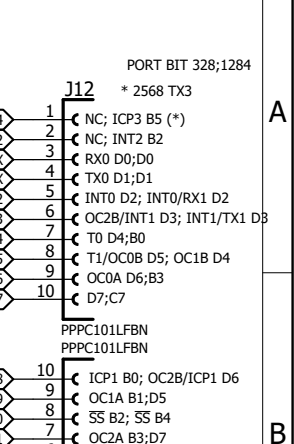
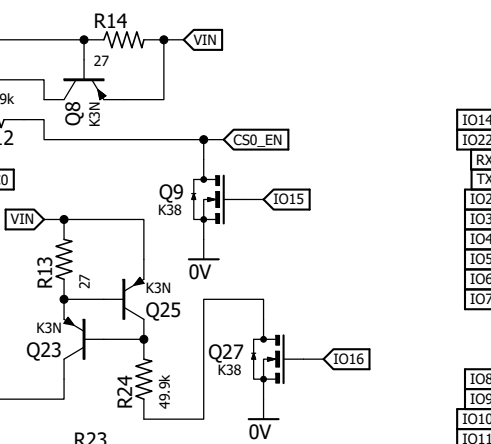
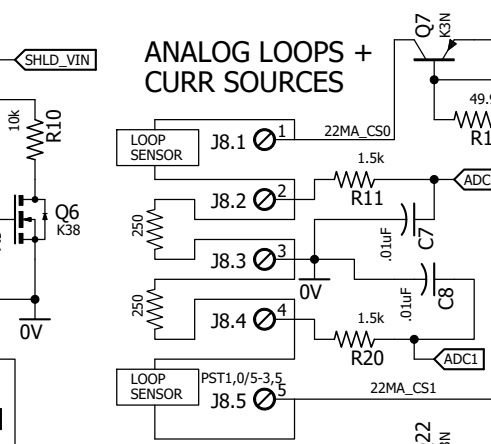
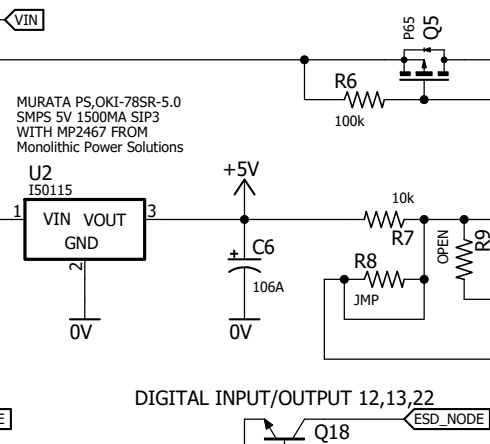
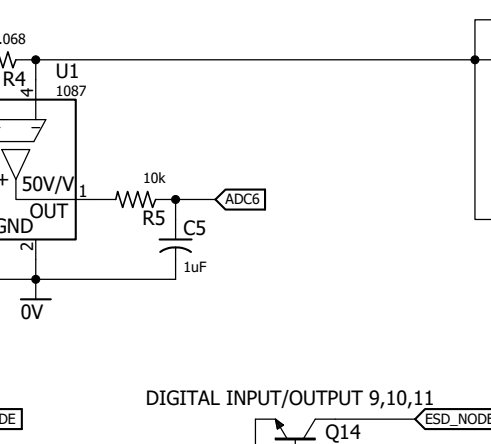
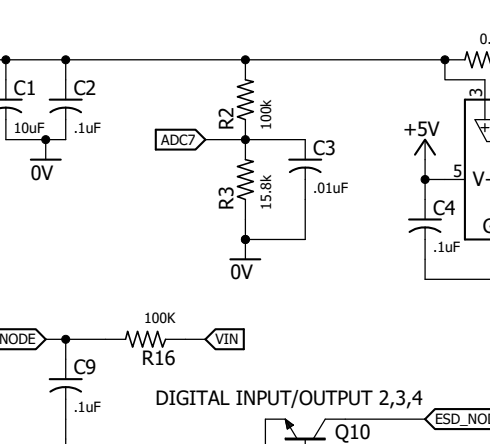
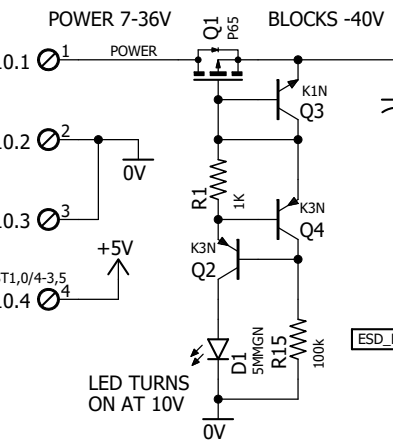
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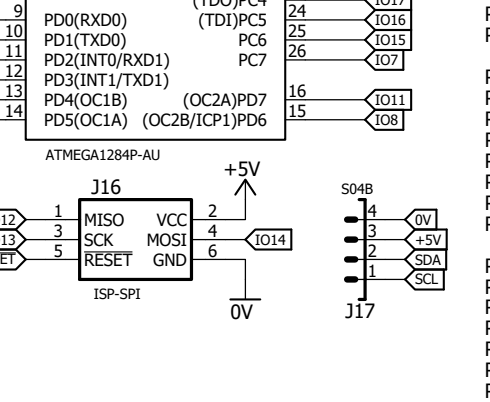


ECS-160-20-3X-TR  
16MHZ +/- 30PPM  
STABILITY AND TOLERANCE  
CRYSTAL CAPACITORS:  
20PF = 6.5PF +  
(27PF\*27PF)/(27PF+27PF)

NOTE: A CRYSTAL IS USED  
SO THE AVR TIMERS HAVE  
CRYSTAL ACCURACY.

AVR TOOLCHAIN:  
Debain, Raspian, Ubuntu...  
gcc-avr binutils-avr gdb-avr  
avr-libc avrdude

EXAMPLES:  
<https://github.com/epccs/Punica/>



**PORT[B..D] for DigitalIO Library**

PB0 (D 4)

PB1 (D 23) T1

PB2 (D 22) INT2

PB3 (D 6) OC0A

PB4 (D 10) OC0B/SS

PB5 (D 14) ICP3/MOSI

PB6 (D 12) OC3A/MISO

PB7 (D 13) OC3B

**PORTA for DigitalIO Library**

PA0 (D 24) ADC0

PA1 (D 25) ADC1

PA2 (D 26) ADC2

PA3 (D 27) ADC3

PA4 (D 28) ADC4

PA5 (D 29) ADC5

PA6 (D 30) ADC6

PA7 (D 31) ADC7

**PC0 (D 21) SCL**

PC1 (D 20) SDA

PC2 (D 19) TCK

PC3 (D 18) TMS

PC4 (D 17) TDO

PC5 (D 16) TDI

PC6 (D 15)

PC7 (D 7)

**PD0 (D 0) RX0**

PD1 (D 1) TX0

PD2 (D 2) RX1/INT0

PD3 (D 3) TX0/INT1

PD4 (D 5) OC1B

PD5 (D 9) OC1A

PD6 (D 8) OC2B/ICP1

PD7 (D 11) OC2A

