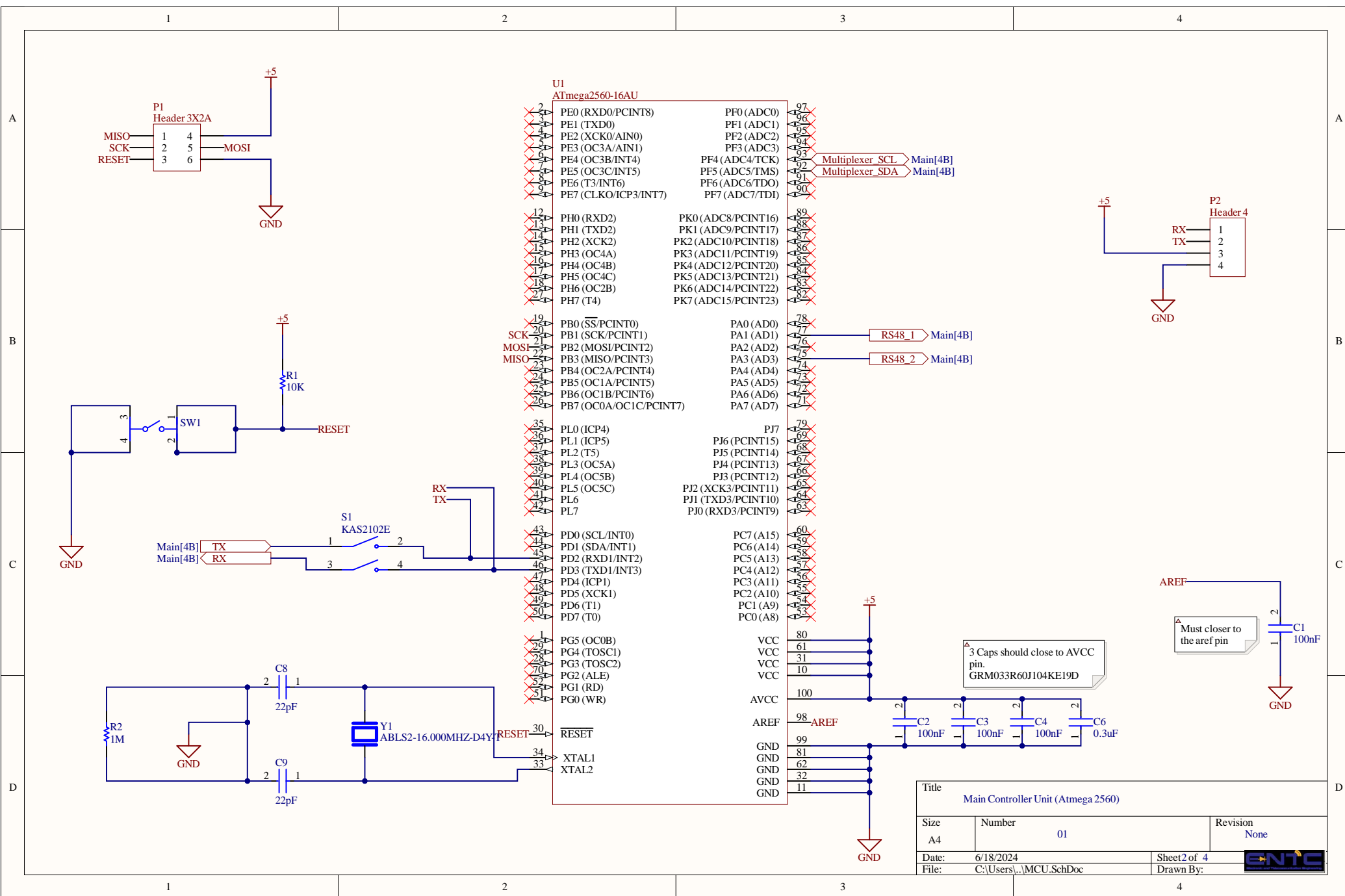
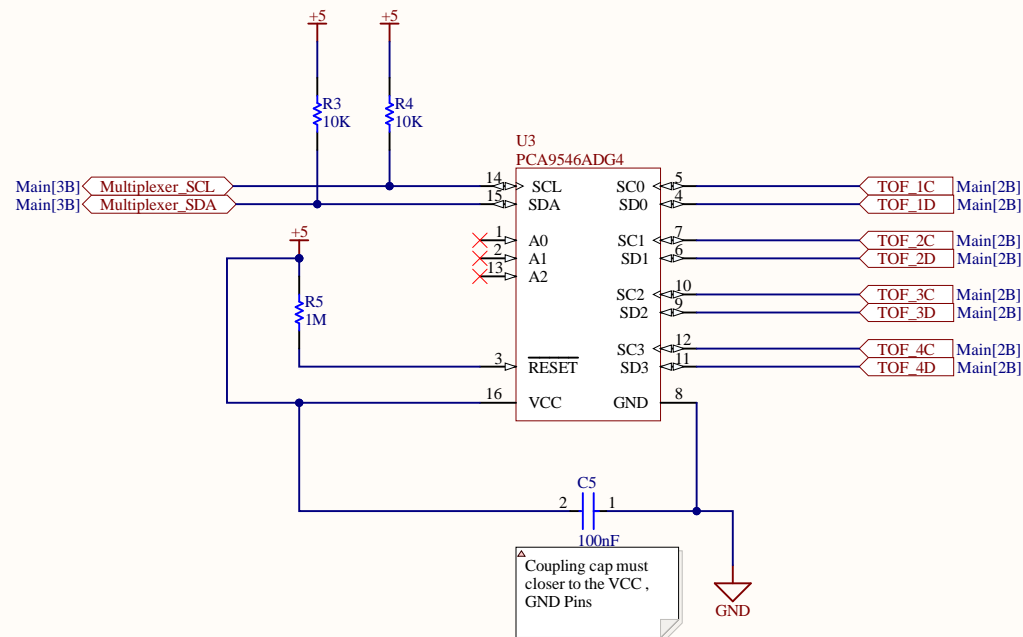
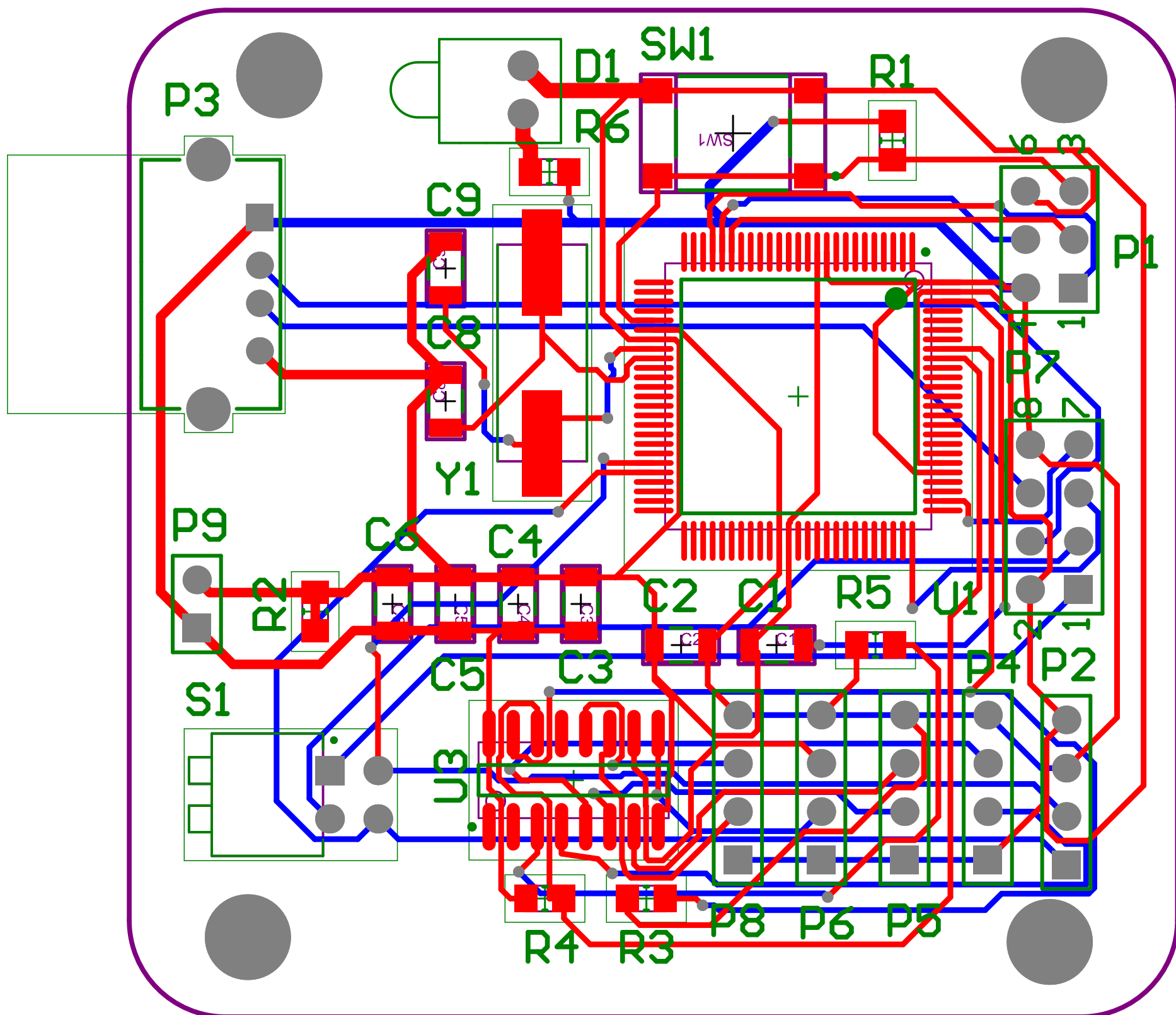


Title			End effector - Main
Size	Number	Revision	
A4	01	None	
Date:	6/18/2024	Sheet 1 of 4	
File:	C:\Users\...\Main.SchDoc	Drawn By:	





Title Multiplexer Circuit		
Size A4	Number 02	Revision None
Date: 6/18/2024	Sheet 3 of 4	
File: C:\Users\...\Multiplexer.SchDoc	Drawn By: ENTC	



Line #	Name	Description	Designator	Revision ID	Revision State	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	100nF, 0.3uF, 22pF	CAP CER 0.1UF 200V 10% X7R 1206	C1, C2, C3, C4, C5, C6, C8, C9		Unknown server		8	KEMET	C1206C104K2RACTU	Volume Production	Newark	70K9166	0.068	0.544
	LED1	Typical RED GaAs LED	D?		Not managed		1							
	Header 3X2A	Header, 3-Pin, Dual row	P1		Not managed		1							
	Header 4	Header, 4-Pin	P2, P4, P5, P6, P8		Not managed		5							
	USB- A1HSW6	USB-A (USB TYPE-A) - Receptacle Connector 4 Position Through Hole, Right Angle	P3		Not managed		1							
	Header 4X2	Header, 4-Pin, Dual row	P7		Not managed		1							
	Header 2	Header, 2-Pin	P9		Not managed		1							
	10K, 1M,	Chip Resistor, 0 Ohm, Jumper, +/- 5%, 0.125 W, - 55 to 155 degC, 0805 (2012 Metric), RoHS, Tape and Reel	R1, R2, R3, R4, R5, R6		Unknown server		6	Yageo	RC0805JR-070RL	Volume Production	Mouser	603-RC0805JR-070RL	0.016	0.16
	KAS2102 E		S1		Not managed		1							
	PTS645S M43SMT R92LFS	SWITCH TACTILE SPST- NO 0.05A 12V	SW1		Unknown server		1	ITT C&K	PTS645SM43SMTR92LFS	Volume Production	Newark	95W3587	0.183	0.183
	ATmega2 560- 16AU	8-bit AVR Microcontroll er, 4.5-5.5V, 16MHz, 256KB Flash, 4KB EEPROM, 8KB SRAM, 86 GPIO pins, 100- pin TQFP, Industrial Grade (-40°C to 85°C), Pb- Free	U1		Unknown server		1	Microchip	ATMEGA2560-16AU	Volume Production	Digikey	ATMEGA2560-16AU-ND	14.82	14.82
	PCA9546 ADG4	4-Channel I2C and SMBus Multiplexer with Reset Functions, 2.3 to 5.5 V, -40 to 85 degC, 16- pin SOIC (D), Green (RoHS & no Sb/Br)	U3		Unknown server		1	Texas Instruments	PCA9546ADG4	Volume Production				
	ABLS2- 16.000M HZ-D4Y-T	HC/49US (AT49) LOW PROFILE SURFACE MOUNT MICROPROCE SSOR CRYSTAL	Y1		Not managed		1							