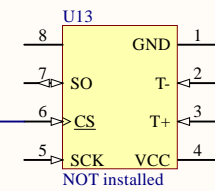
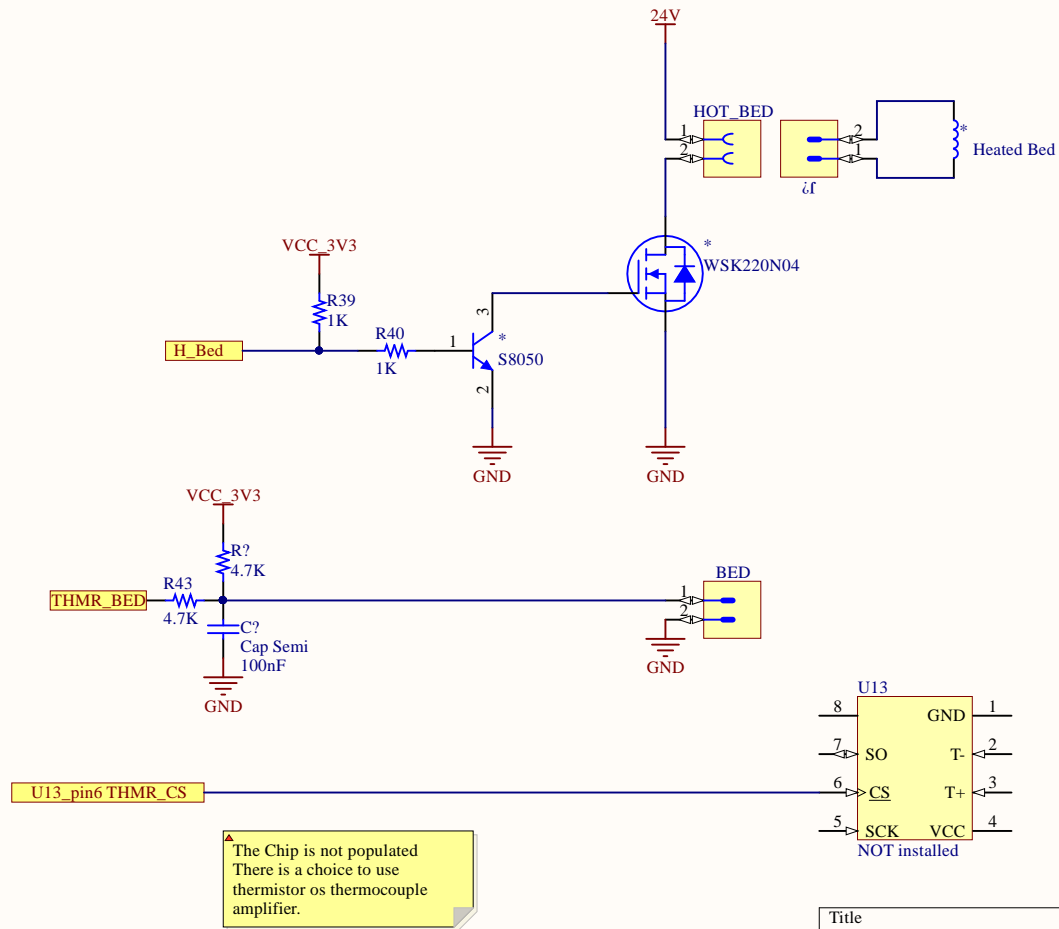
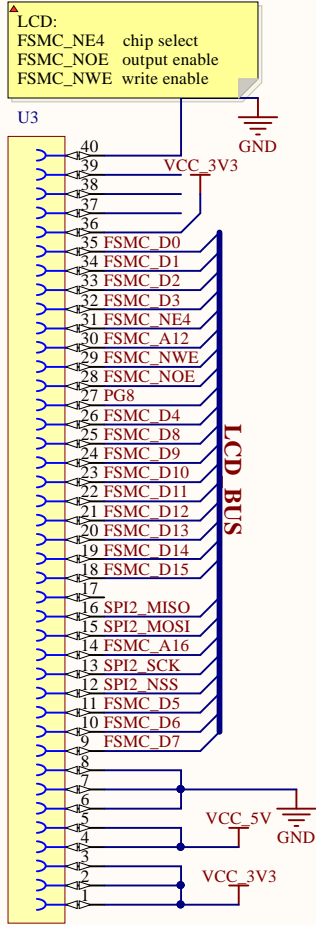


Title		
Extruder		
Size	Number	Revision
A4		
Date:	06/03/2021	Sheet of
File:	Z:\Github\...\Extruder.SchDoc	Drawn By: oaba200

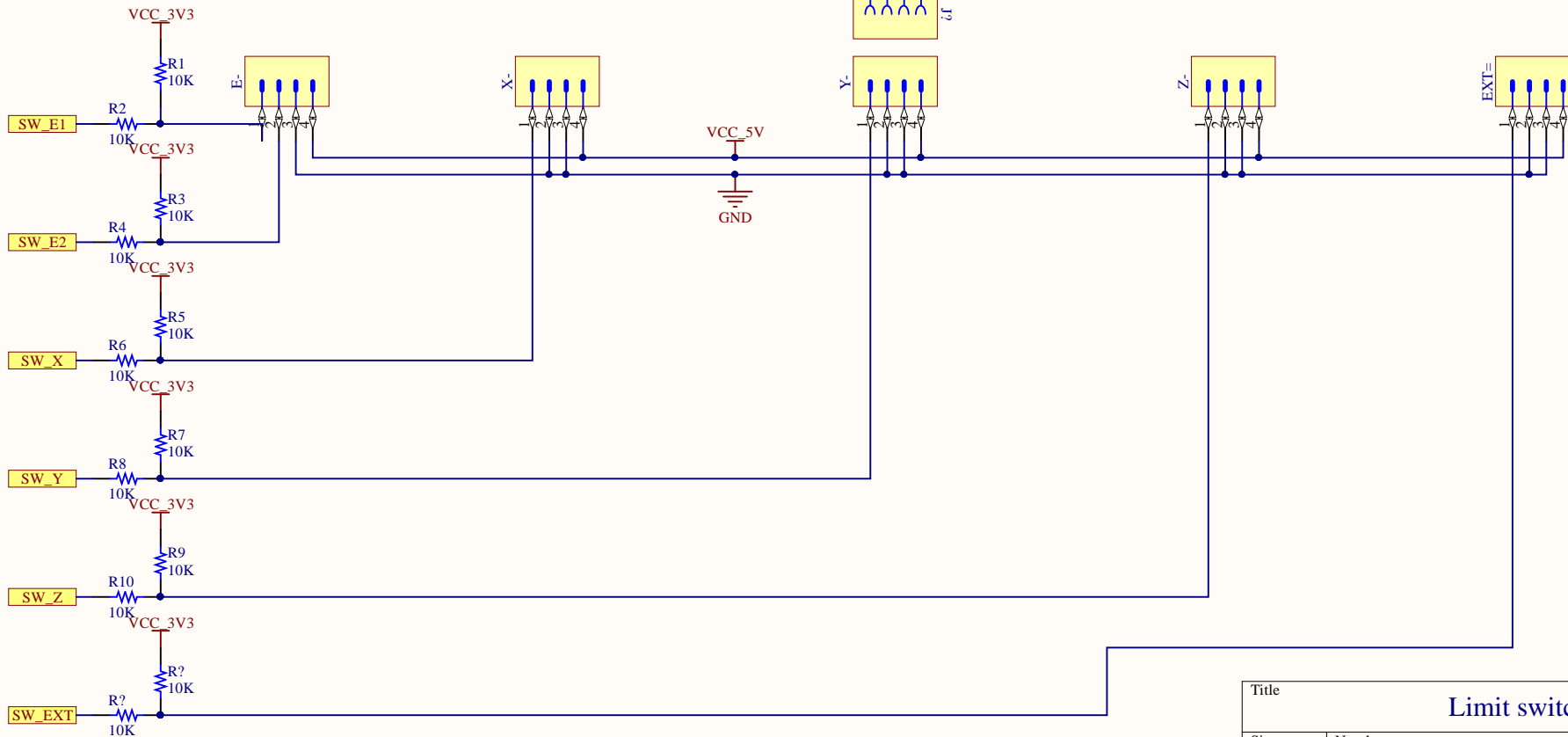
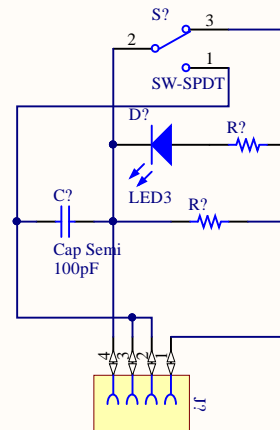


Title		
Heated bed		
Size	Number	Revision
A4		
Date:	06/03/2021	Sheet of
File:	Z:\Github\...\Heated bed.SchDoc	Drawn By: oaba200

SSD1963 TFT



Title			
Display Connector			
Size	Number		Revision
A4			
Date:	06/03/2021	Sheet	of
File:	Z:\Github\...\LCD Screen.SchDoc	Drawn By:	oaba200



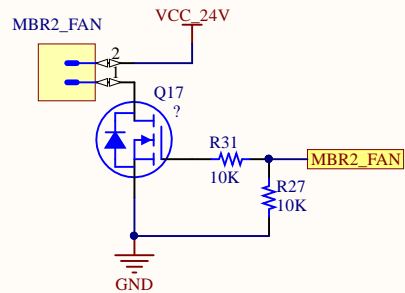
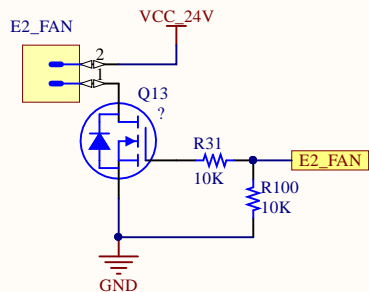
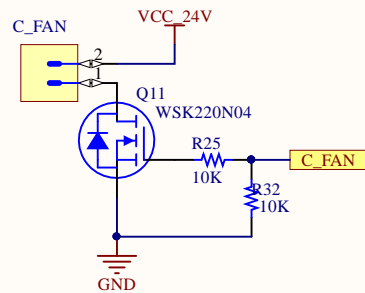
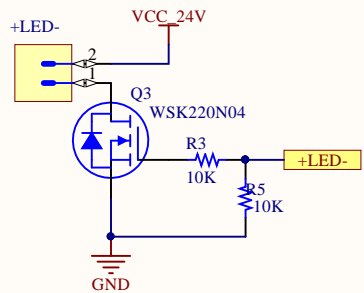
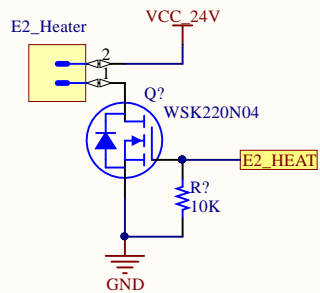
Title		
Limit switches		
Size A4	Number	Revision
Date:	06/03/2021	Sheet of
File:	Z:\Github\...\Limit switches.SchDoc	Drawn By: oaba200

1

2

3

4



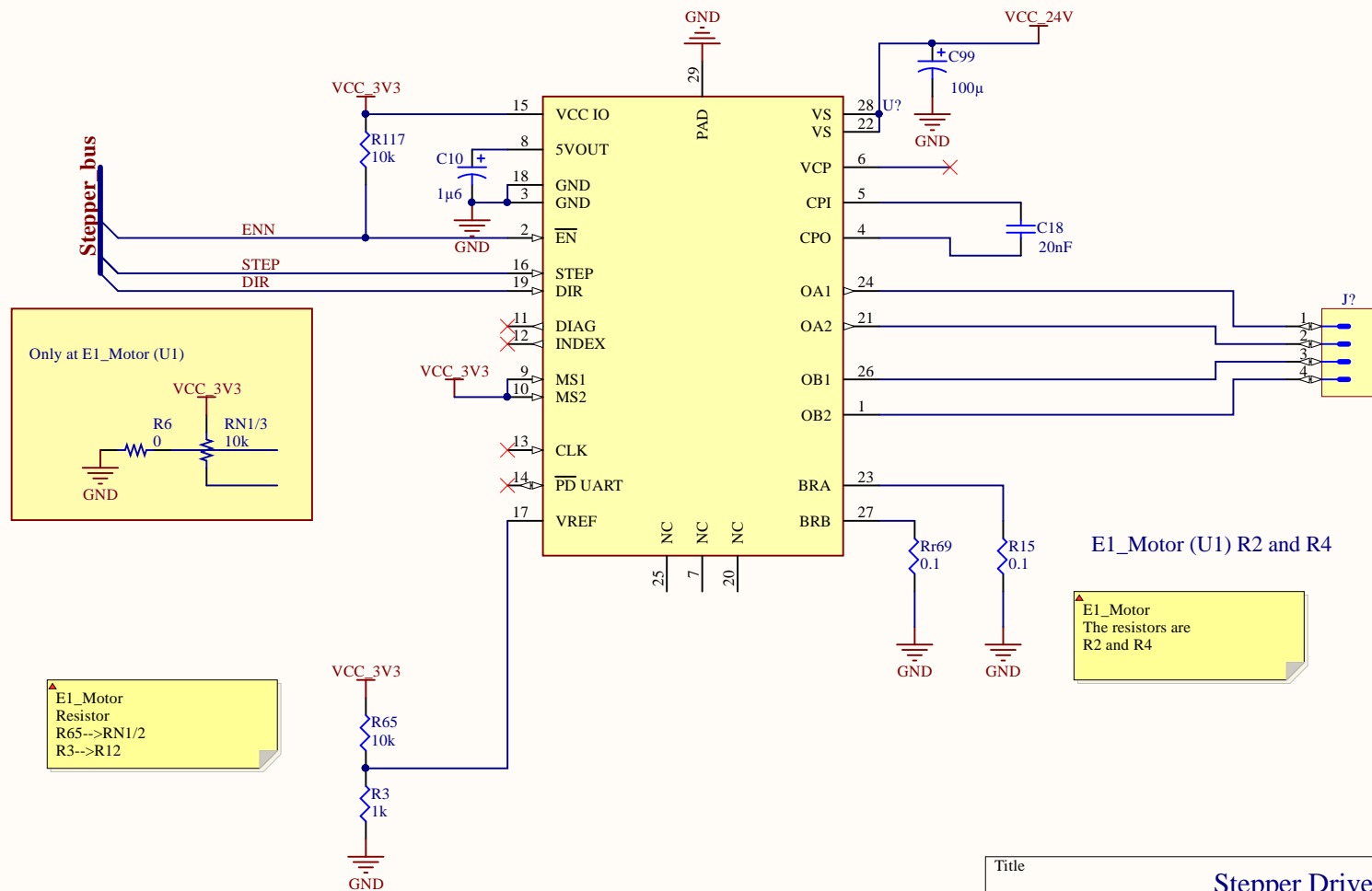
Title		
Controlled Outputs		
Size	Number	Revision
A4		
Date:	06/03/2021	Sheet of
File:	Z:\Github\...\Outputs.SchDoc	Drawn By: oaba200

1

2

3

4



Title		
Stepper Drivers		
Size	Number	Revision
A4		
Date:	06/03/2021	Sheet of
File:	Z:\Github\...\Stepper drivers.SchDoc	Drawn By: oaba200

Comment	Description	Designator	Footprint	LibRef	Quantity
Heated Bed				Heater coil	1
S8050			SOT23	S8050	1
=Family	Connector 2 Male, Connector 4 Male, Connector 2 Female, Connector 40 Female, Connector 40 Male, Connector 4 Female, Connector 8 Female, Connector 8 Male	+LED-, BED, C,FAN, E-, E2_FAN, E2_Heater, EXT=, HOT_BED, J7, JP2, JP35, JTAG, MBR2,FAN, U3, UART, USB_DISC, X- -, Y-, Z-		Connector 2 Male, Connector 4 Male, Connector 2 Female, Connector 40 Female, Connector 40 Male, Connector 4 Female, Connector 8 Female, Connector 8 Male	29
Cap Pol3	Polarized Capacitor (Surface Mount)	C10, C99	C0805	Cap Pol3	2
1nF /2000V/10%/X7R/C1 206		C?	C_1206_5MIL_DWS_ISO	C	1
2.2uF /6.3V/10%/X5R/C0 603		C?	C_0603_5MIL_DWS	C	1
10uF /6.3V/20%/X5R/C0 603		C?	C_0603_5MIL_DWS	C	1
22uF /6.3V/20%/X5R/C0 603		C?	C_0603_5MIL_DWS	C	3
100nF /50V/20%/V5V/C0 603		C?	C_0603_5MIL_DWS	C	5
NA(1nF /2000V/10%/X7R /C1206)		C?	C_1206_5MIL_DWS_ISO	C	1
Cap Semi	Capacitor (Semiconductor SIM Model)	C?, C1, C18, C43, C54, C100, C101	C1206	Cap Semi	10
LED3	Typical BLUE SMC LED	D7, D1	3.5X2.8X1.9	LED3	2
Diode 1N4148	High Conductance Fast Diode	D7, Q18	DO-35	Diode 1N4148	3
FB0805/600R/2A		L?	L_0805_5MIL_DWS	L	1
RJLBC- 060TC1(LPJ4013EDNL)		LAN?	RJLBC-060TC1	RJLBC-060TC1_GND	1
Buzzer 2 pin		LS?		Buzzer 2 pin	1
Opened		PHY_RST?	SJ	SJ	1
XOHV 2A MOSFET SOT- 23		Q2		XOHV 2A MOSFET SOT- 23	1
WSF40N06	N-Ch MOSFET 40V 220A	Q4, Q15	TO263	WSK220N04	2
XOHV 2A	N-Channel JFET	Q8	TO-254-AA	JFET-N	1
?	N-Ch MOSFET 40V 220A	Q13, Q17	TO263	WSK220N04	2
1k	RES SMD 10K OHM 5% 1/10W 0402	R3	SMD-0402-RES	ERJ-2GEJ103X	1
0	SMT Resistor	R6	RES 0805_2012	Resistor	1
0.1	RES SMD 0.11 OHM 1% 1/6W 0402	R15, R69	SMD-0402-RES	ERJ-2BSFR11X	2
510	SMT Resistor	R24	RES 0805_2012	Resistor	1
1K	SMT Resistor	R39, R40		Resistor	2
100	SMT Resistor	R51, R52	RES 0805_2012	Resistor	2
10k	RES SMD 10K OHM 5% 1/10W 0402, RES SMD 20K OHM 5% 1/10W 0402	R65, R117	SMD-0402-RES	ERJ-2GEJ103X, ERJ- 2GEJ203X	2
0R(board_mounted)		R?	0R_0603	R	1
2.2k/R0603		R?	R_0603_5MIL_DWS	R	1
10k/R0603		R?	R_0603_5MIL_DWS	R	1
12.1k/1%/R0603		R?	R_0603_5MIL_DWS	R	1
49.9R/1%/R0603		R?	R_0603_5MIL_DWS	R	4
220R/R0603		R?	R_0603_5MIL_DWS	R	3
=VALUE	SMT Resistor	R?	RES 0805_2012	Resistor	2
NA(R0603)		R?	R_0603_5MIL_DWS	R	1
10K	SMT Resistor	R?, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R16, R18, R25, R26, R27, R31, R32, R34, R42, R48, R49, R50, R100, RN1/3	RES 0805_2012	Resistor	34
4.7K	SMT Resistor	R?, R29, R43	RES 0805_2012	Resistor	3
RA1206_(4X0603)_4B8_4 7k		RM?	R_MATRIX_4	RA1206_(4x0603)_4B8_5 mashed	4
SW-PB	Switch	S?	SPST-2	SW-PB	1
SW-SPDT	SPDT Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation	S?	TL36WW15050	SW-SPDT	1
STM32F407ZGT6_1	V2 ARM Cortex-M4 32- bit MCU+FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 114 I/Os, 144-pin LQFP, 40 to 85 degC, Tray	U8	STM-LOFP144_N	STM32F407ZGT6_1	1
NOT installed		U13	SOIC8	MAX6675	1
AT24C16-TSOP8	1Kbit (128 x 8), 2-wire Bus Automotive Serial EEPROM with Write Protect, 2.5V, 8-Pin TSSOP, Bulk	U?	8A2_N	AT24C16-TSOP8	1
LAN8720		U?	QFN32_EP(33)_5.00x5.00 x0.90mm_Pitch_0.50mm	LAN8720	1
MAX6675		U?	SOIC8	MAX6675	1
TMC2208-LA		U?		TMC2208-LA	1
W25Q16	FLASH - NOR Memory IC 16Mb _2M x 8, SPI 104MHz 8-SOIC	U?	SOIC8	W25Q16	1
8MHz	SMT Crystal	Y2		Abracon Crystal ABS06	1
WSK220N04	N-Ch MOSFET 40V 220A	[NoValue], Q7, Q3, Q5, Q11	TO263	WSK220N04	5