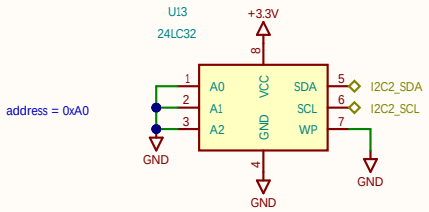
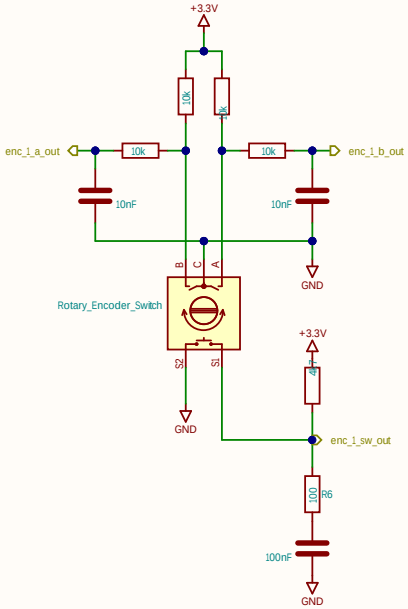
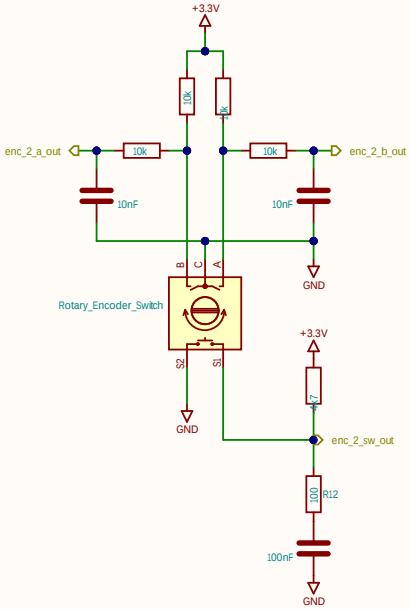
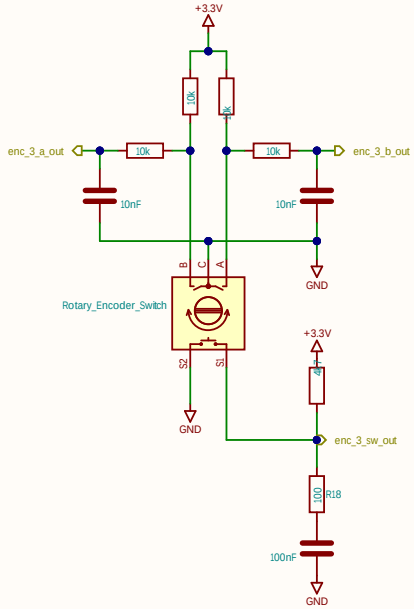
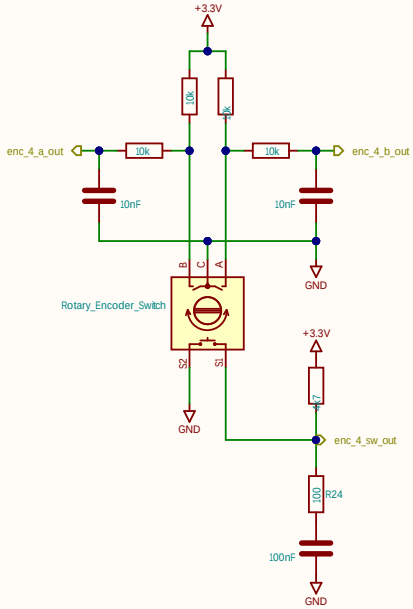


Title			
Size A	Number		Revision
Date:	4/13/2021	Sheet of	
File:	E:\WorkSpace\..\EEPROM.SchDoc	Drawn By:	

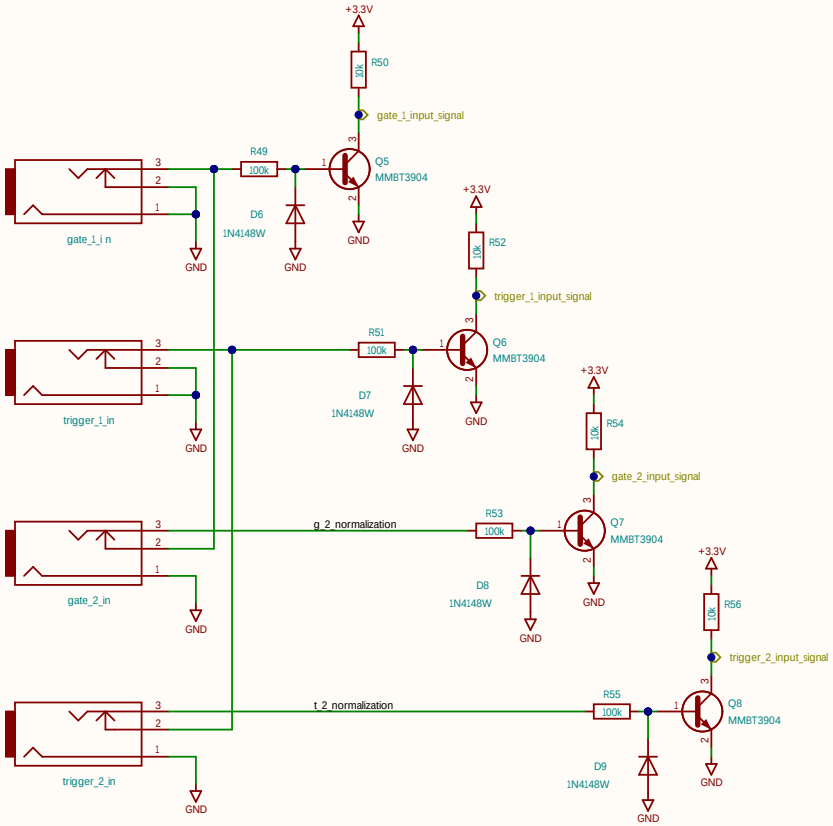


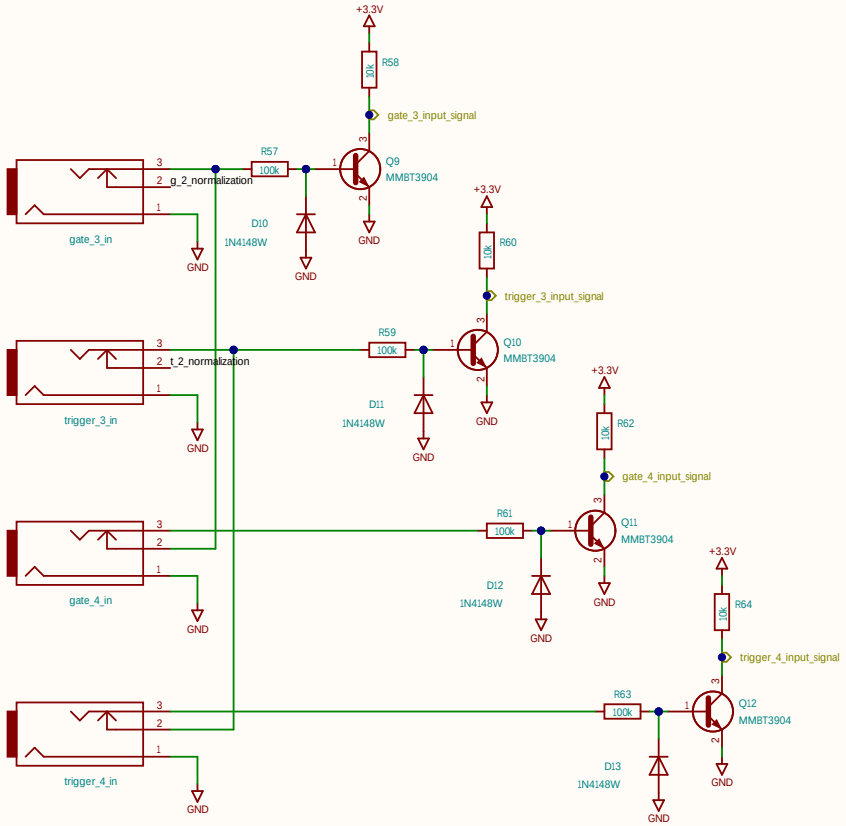




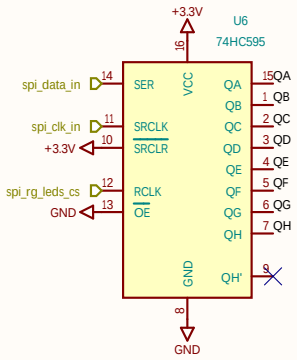


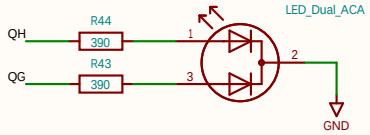
Title		
Size A4	Number	Revision
Date: 4/13/2021		Sheet of
File: E:\WorkSpace\..\encoders.SchDoc		Drawn By:

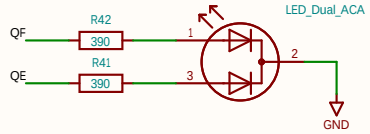


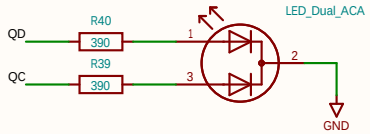


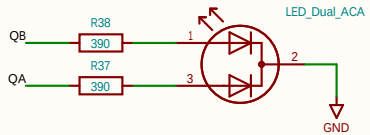
Title		
Size A4	Number	Revision
Date: 4/13/2021		Sheet of
File: E:\WorkSpace\..\input_jacks.SchDoc		Drawn By:



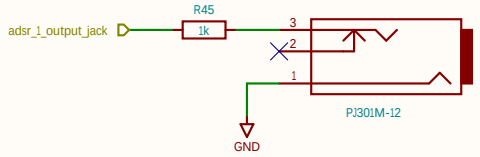


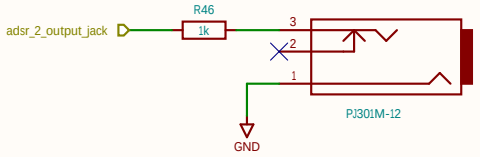


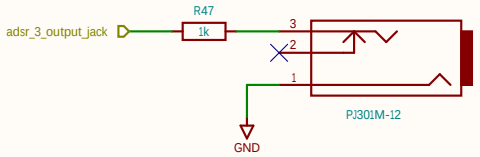


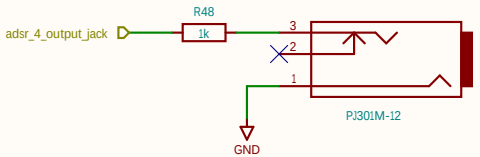


Title		
Size A	Number	Revision
Date: 4/13/2021		Sheet of
File: E:\WorkSpace\..\leds.SchDoc		Drawn By:

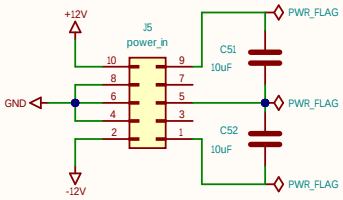


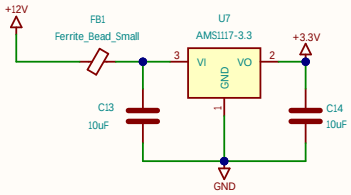




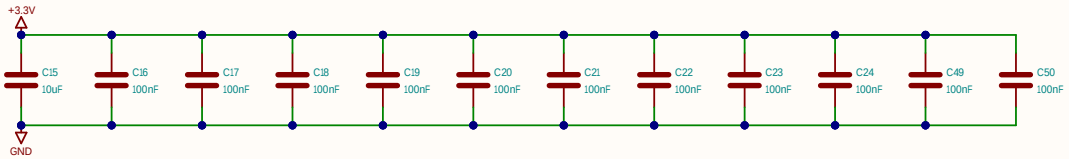


Title		
Size A	Number	Revision
Date: 4/13/2021		Sheet of
File: E:\WorkSpace\..\output_jacks.SchDoc		Drawn By:

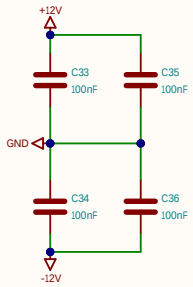




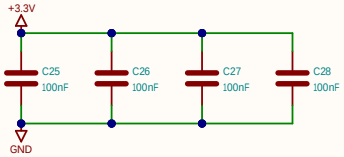
stm32 decoupling



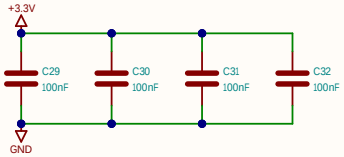
TL072 decoupling



MCP4822 decoupling

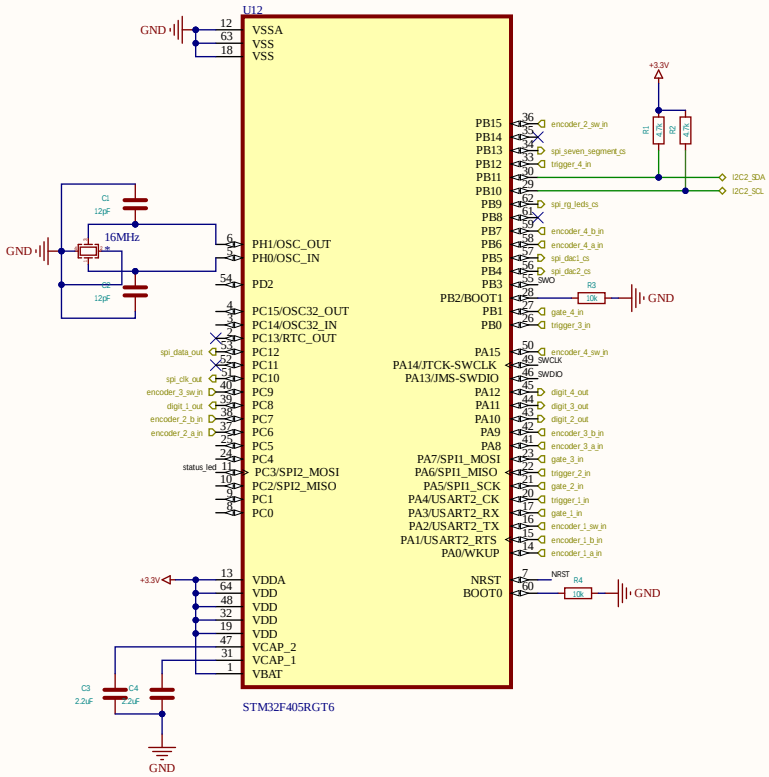


74HC595 decoupling



24LCxx EEPROM decoupling

Title		
Size A4	Number	Revision
Date:	4/13/2021	Sheet of
File:	E:\WorkSpace\..\power_supply.SchDoc	Drawn By:



Title		
Size: A3	Number	Revision
Date: 4/13/2021		Sheet of
File: E:\WorkSpace\..\stmf32.SchDoc		Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
		16MHz		Crystal_GND24_Small	1
2.2uF		C1, C2, C3, C4	C_1206_3216Metric	C	4
10nF		C1, C2, C4, C5, C7, C8, C10, C11	C_0402_1005Metric	C	8
100nF		C3, C6, C9, C12, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C49, C50, C53	C_0402_1005Metric	C	24
10uF		C13, C51, C52	C_1206_3216Metric	C	3
10uF		C14, C15	C_0805_2012Metric	C	2
100nF		C33, C34, C35, C36	C_0603_1608Metric	C	4
LED_Dual_ACA		D1, D2, D3, D4	LED_D3.0mm-3	LED_Dual_ACA	4
1N4148W		D6, D7, D8, D9, D10, D11, D12, D13	D_SOD-123	1N4148W	8
Rotary_Encoder_Switch		ENC1, ENC2, ENC3, ENC4	RotaryEncoder_Alps_EC11E-Switch_Vertical_H20mm	Rotary_Encoder_Switch	4
Ferrite_Bead_Small		FB1	L_0805_2012Metric	Ferrite_Bead_Small	1
PJ301M-12		J1, J2, J3, J4	PJ301M-12	PJ301M-12	4
power_in		J5	PinHeader_2x05_P2.54mm_Vertical	Conn_02x05_Odd_Even	1
gate_1_in		J6	PJ301M-12	PJ301M-12	1
trigger_1_in		J7	PJ301M-12	PJ301M-12	1
gate_2_in		J8	PJ301M-12	PJ301M-12	1
trigger_2_in		J9	PJ301M-12	PJ301M-12	1
gate_3_in		J10	PJ301M-12	PJ301M-12	1
trigger_3_in		J11	PJ301M-12	PJ301M-12	1
gate_4_in		J12	PJ301M-12	PJ301M-12	1
trigger_4_in		J13	PJ301M-12	PJ301M-12	1
MMBT3904		Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12	SOT-23	MMBT3904	8
10k		R1, R2, R3, R4, R7, R8, R9, R10, R13, R14, R15, R16, R19, R20, R21, R22	R_0402_1005Metric	R	16
1k		R1, R2, R3, R4, R45, R46, R47, R48	R_0603_1608Metric	R	8
4k7		R5, R11, R17, R23	R_0402_1005Metric	R	4
100		R6, R12, R18, R24	R_0402_1005Metric	R	4
390		R37, R38, R39, R40, R41, R42, R43, R44	R_0603_1608Metric	R	8
100k		R49, R51, R53, R55, R57, R59, R61, R63	R_0603_1608Metric	R	8
10k		R50, R52, R54, R56, R58, R60, R62, R64	R_0603_1608Metric	R	8
74HC595		U6	SOIC-16_3.9x9.9mm_P1.27mm	74HC595	1
AMS1117-3.3		U7	SOT-223-3_TabPin2	AMS1117-3.3	1
STM32F405RGT6	ARMÂ® CortexÂ®-M4 STM32F4 Microcontroller IC 32-Bit 168MHz 1MB _1M x 8_ FLASH 64-LQFP _10x10_	U12	QFP50P1200X1200X160-64N	STM32F405RGT6	1
24LC32		U13	SOIC-8_3.9x4.9mm_P1.27mm	24LC32	1