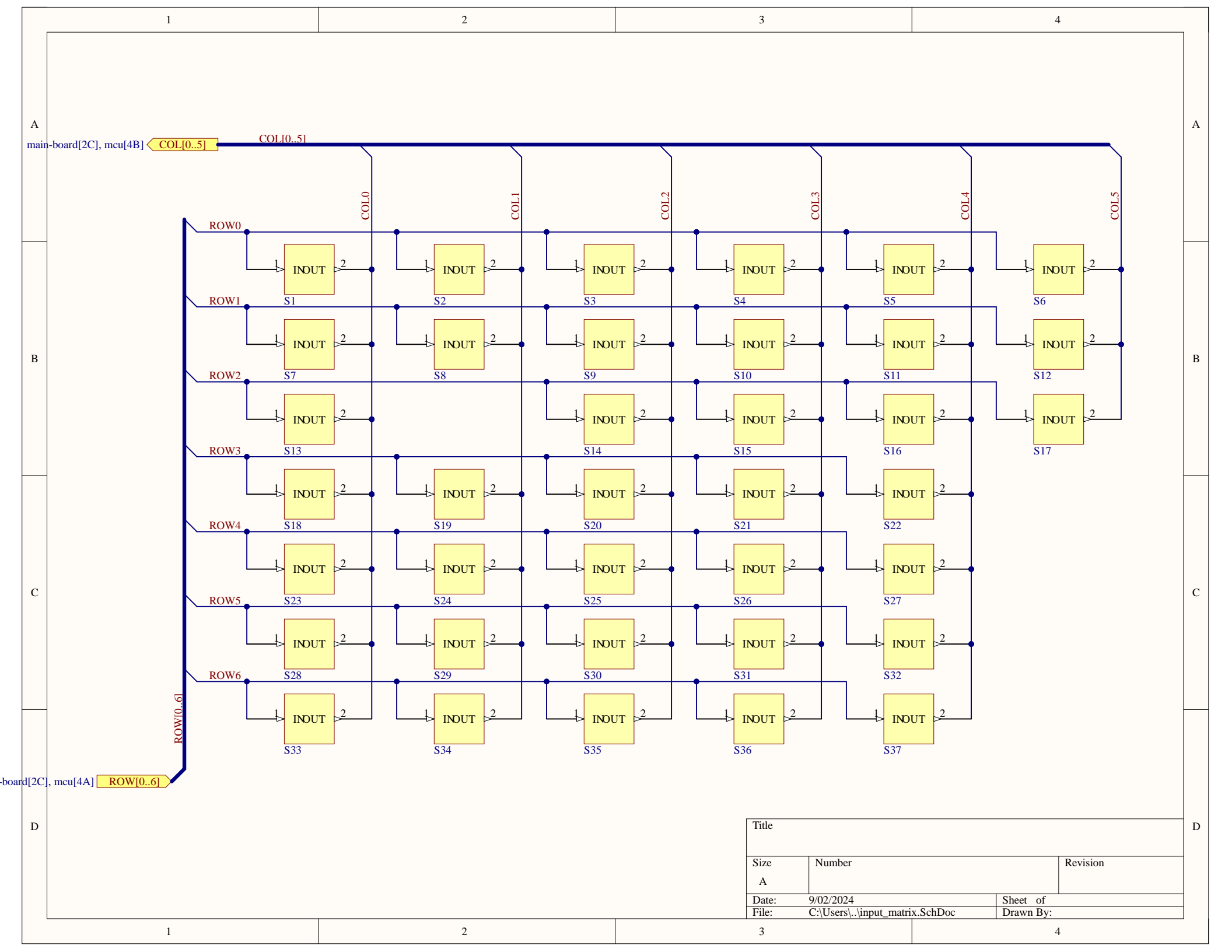
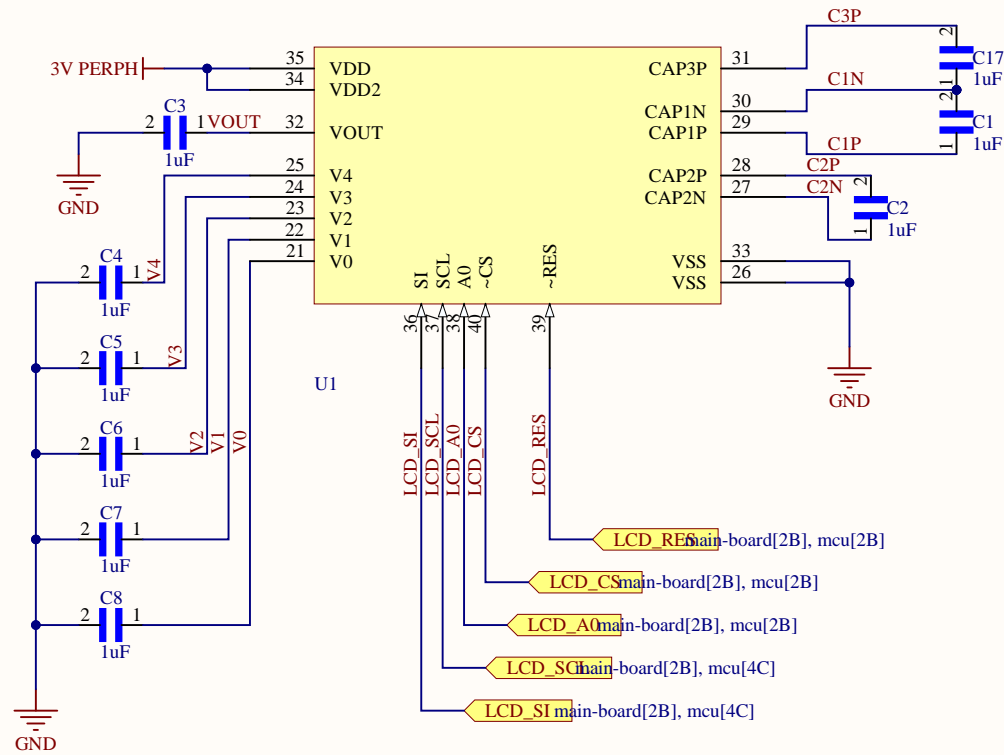


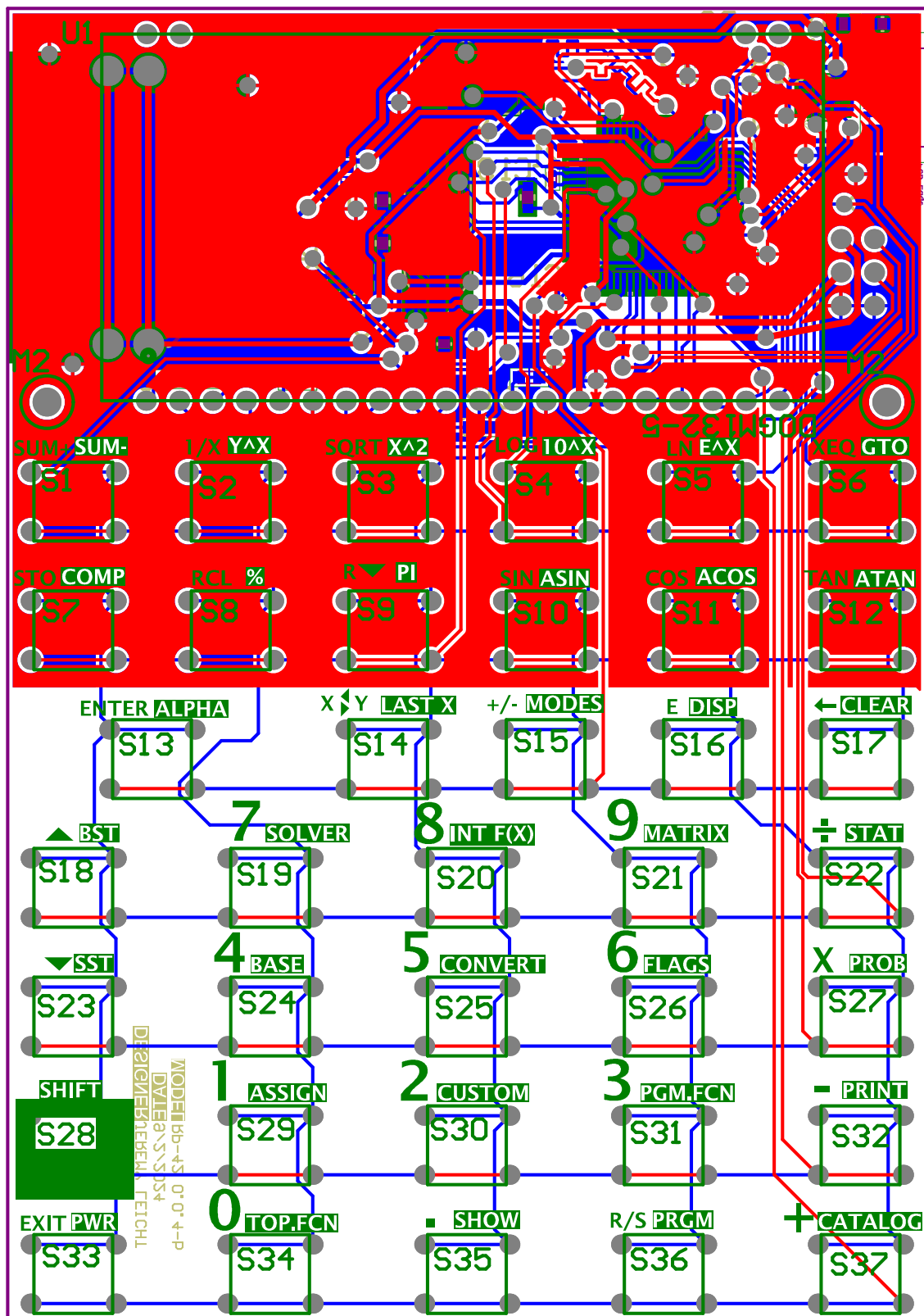
Title		
Size	Number	Revision
A		
Date:	9/02/2024	Sheet of
File:	C:\Users\...\main-board.SchDoc	Drawn By:



Title		
Size	Number	Revision
A		
Date:	9/02/2024	Sheet of
File:	C:\Users\...\input_matrix.SchDoc	Drawn By:



Title		
Size	Number	Revision
A		
Date:	9/02/2024	Sheet of
File:	C:\Users\...\screen.SchDoc	Drawn By:



Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	BAT-HLD-001-THM	CR2032 Battery holder. 2.7V-3V. https://www.digikey.com/en/products/detail/te-connectivity-linx/BAT-HLD-001-THM/3044009	B1	1				Digkey	BAT-HLD-001-THM-ND		
	1uF	CL10B105KP8NNNC	C1, C2, C3, C4, C5, C6, C7, C8, C17, C20	10				[NoParam], Amet	[NoParam], CL10B105KP8NNNC		
	1uF	CL10B105KP8NNNC https://www.digikey.com/en/products/detail/samsung-electro-mechanics/CL10B105KP8NNNC/38876047s =N4gTCBcDaIMBkC MAGAQqgrAaQAoA4A 5YuEAXQF8g	C8, C19	2				Amet	CL10B105KP8NNNC		
	1uF	CL10B105KP8NNNC https://www.digikey.com/en/products/detail/samsung-electro-mechanics/CL10B105KP8NNNC/38876047s =N4gTCBcDaIMBkC MAGAQqgrAaQAoA4A 5YuEAXQF8g	C10	1				Amet	CL10B105KP8NNNC		
	20pF	CL10C200B8NNNC	C11, C12	2							
	100nF	0.1uF A±10% 10V Ceramic Capacitor X7R0402_1005 Metric_	C13, C14, C15, C16, C18	5							
	10uF	CL10A106QB8NNNL	C21	1							
	USB05-4S06	No Description Available	CR1	1							
	10118192-0002LF	Micro USB 2.0, Input Output Connectors, B TYPE RECEPTACLE without flange	J1	1							
	bypass_conn	Bypass connector for power supply and backup chip programming	J2	1							
	m2		m1, m2	2							
	100K	RD603FR-07100KL	R1	1							
	33K	RD603FR-0733KQ	R2	1							
	82K	RD603FR-0782KL	R3	1							
	temp_switch		S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24, S25, S26, S27, S28, S29, S30, S31, S32, S33, S34, S35, S36, S37	37							
	INTERFACE		U1	1							
	STM32L475RCT3	STM32 - 256KB, 128KB RAM, USB-OTG, QUAD SPI https://www.st.com/en/microcontrollers-microprocessors/stm32l475rc.html#overview	U2	1							
	W25Q64JVSQ	W25Q64JVSQ 64MBit Quad-SPI flash	U3	1							
	MIC5365-3.0YC5-TR	3V/Linear Voltage Regulator. https://www.digikey.com/en/products/detail/microchip-technology/MIC5365-3-0YC5-TR/18880927s =N4gTCBcDaILUBDCBWAzAN hQWJQQGAYBNbAF QCUQBdAXyA	U4, U6	2				Newark	55AC2794		
	BAT54DW-7-F	2 Diode Array, 30V@100mA, Surface mount. Schottky. 6- TSSOP. https://www.diodes.com/assets/Datasheets/BAT54DW.pdf	U5	1				Arrow Electronics	BAT54DW-7-F		
	J959M4A-G-G-K-8M0	No Description Available	XTAL1	1							