



Title		
Size	Number	Revision
A3		
Date:	9/25/2025	Sheet of
File:	D:\alium and source projects\casio Sch Drawn By:	

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1u		C1, C3, C6, C7, C8, C9, C10, C11, C12	CN-SMD-0805	CN	9
100n		C2, C4	CN-SMD-0805	CN	2
4.7u		C5	CN-SMD-0805	CN	1
10u	Polarized Capacitor (Axial)	C13, C14	CAP-ALU-SMD-5.5x5.5	CN-SMD	2
JP2	WR-PHD 2.54 mm Angled Socket Header	C17	JP2-D1T	JP2	1
LCD 16x2A	LCD display 16 char, 2 line	LCD1	LCD16X2	LCD16x2A	1
LED		LED1	LED-0805-Red	LED SMD	1
220	Resistor	R1	RES-SMD-0805	Res-SMD	1
10k	Resistor	R2, R3	RES-SMD-0805	Res-SMD	2
1k	Resistor	R4	RES-SMD-0805	Res-SMD	1
JP4	WR-PHD 2.54 mm Angled Socket Header	STlink	JP4-C1T	JP4	1
SW	Switch button 2 pin	SW1	SW1-SMD	SW2	1
SW	Switch button 2 pin	SW2, SW3, SW4, SW5, SW6, SW7, SW8, SW9, SW10, SW11, SW12, SW13, SW14, SW15, SW16, SW17, SW18, SW19, SW20, SW21	SW1-DIP-12x12x8-Black	SW2	20
STM32F030K6T6	ARM®Cortex®M0 STM32F0 Microcontroller IC 32-Bit Single-Core 48MHz 32KB (32Kx8) FLASH 32-LQFP (7x7)	U1	QFP80P900X900X160-32N	STM32F030K6T6	1
LM1117-3.3V	800mA Low-Dropout Linear Regulator	U2	SOT223	LM1117	1
10k	Var Resistor	VR1	VR-S2	VR-S	1