





# Lich Van Nien

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Buzzer

AMPLITUDE

BLUE 100H

R110 MONDAY  
R111 TUESDAY  
R112 WEDNESDAY  
R113 THURSDAY  
R114 FRIDAY  
R115 SATURDAY  
R116 SUNDAY

POWER IN

S1

OFF - ON

5V

3.3V

LEFT

SETTING

RIGHT

OK

CANCEL

AM-PM

UP

DOWN

LCD 5110

LED\_LCD

IC 245

Comment	Description	Designator	Footprint	LibRef	Quantity
LED SMD	LED	3.3V, 5V, AM, FRIDAY, MONDAY, PM, SATURDAY, SUNDAY, THURSDAY, TUESDAY, WEDNESDAY	LED_0805_Blue	LED SMD	11
SW	Switch button 4 pin	AM-PM, CANCEL, DOWN, LED_LCD, LEFT, OK, RIGHT, SETTING, UP	Tact SW 4 pin	Tact SW - 4Pin	9
10K	Var Resistor	AMPLITUDE	VR_3 PINS	VR1	1
Header 1X6	Header, 6-Pin	BLUETOOTH, RTC DS3231, uSD Card	Header 1X6	Header 1X6	3
Buzzer		Buzzer	BUZZER SMD	Buzzer	1
Cap Pol SMD	Polarized Capacitor (Radial)	C1, C3	CAP ALU SIZE B	Cap Pol SMD	2
Cap Non-Pol SMD	Capacitor	C2, C4, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21	CAP-SM-0805	Cap Non-Pol SMD	18
C1815	NPN Bipolar Transistor	C_LCD, C1815	SOT23B	C1815	2
7SEG-K	14.2 mm General Purpose Blue 7-Segment Display: CC, RH DP, Gray Surface	DS_1, DS_2, DS_3, DS_4, DS_5, DS_6, DS_7, DS_8, DS_9, DS_10, DS_11, DS_12	LED7SEG	LED7SEG1DIGIT, LED7SEG-K	12
Hole	Hole 3mm	H1, H2, H3, H4	LO KHOAN 3MM	Hole	4
74595	NXP 74HC595N Shift Register, Serial to Parallel, Serial to Serial, 1 Element, DIP, 16 Pins, 2 V, 6 V	IC_1, IC_2, IC_4, IC_5, IC_6, IC_7, IC_8, IC_9, IC_10, IC_11, IC_12	SO16A	74595	11
74HC595	NXP 74HC595N Shift Register, Serial to Parallel, Serial to Serial, 1 Element, DIP, 16 Pins, 2 V, 6 V	IC_3	SO16A	74595	1
74245	Octal bus transceiver; 3-state	IC_245_1, IC_245_2, IC_245_3, IC_245_4, IC_245_5	SO20	74245	5
Header 1X8	Header, 8-Pin	LCD 5110	Header 1X8	Header 1X8	1
LM1117	Available in 1.8V, 2.5V, 2.85V, 3.3V, 5V, and Adjustable Versions	LM1117 - 3.3V	SOT223-4N	LM1117	1
Jack DC	Jack DC input	POWER IN	DC-IN	Jack DC	1
RESISTOR SMD	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122	RES-SM-0805	RESISTOR SMD	122
OFF - ON	Single-Pole, Single-Throw Switch	S1	SPST-2	SW-SPST	1
LED SMD	LED	SEC_1, SEC_2	LED_1206_Blue	LED SMD	2
Stm32F4 VG07		U1	STM32F407 VG	STM32F4_VG07 Hoang Loi	1
LM35	Teminal	U2	QTO-92	LM35	1