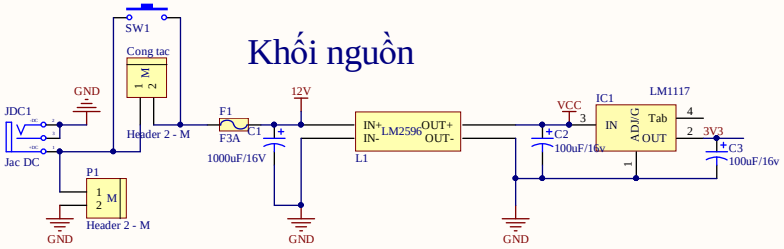
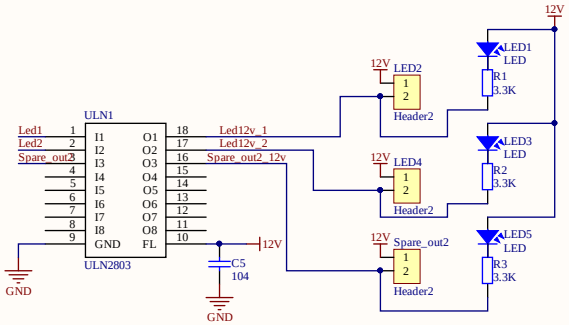
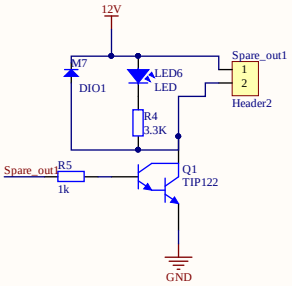
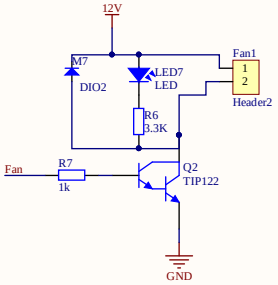
Khối nguồn

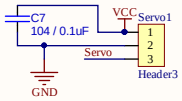


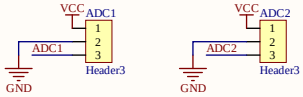
Khối điều khiển thiết bị



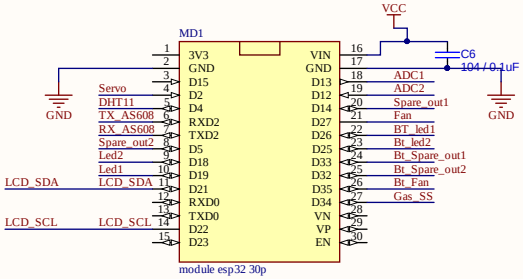




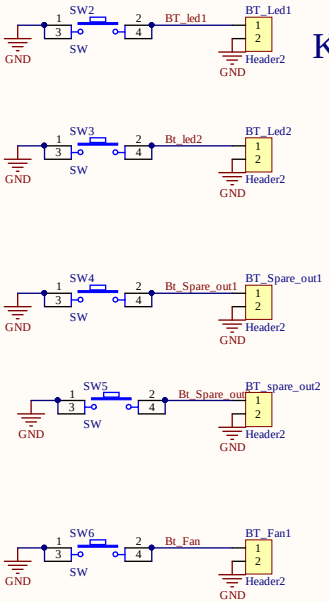




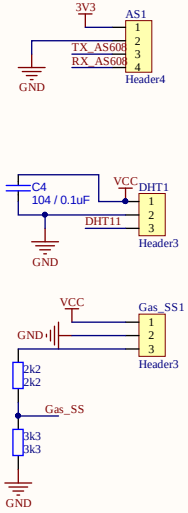
Khối MCU



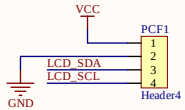
Khối nút nhấn



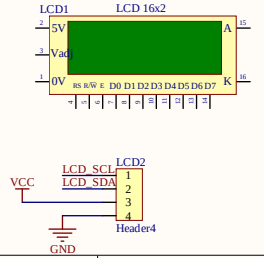
Khối Cảm Biến

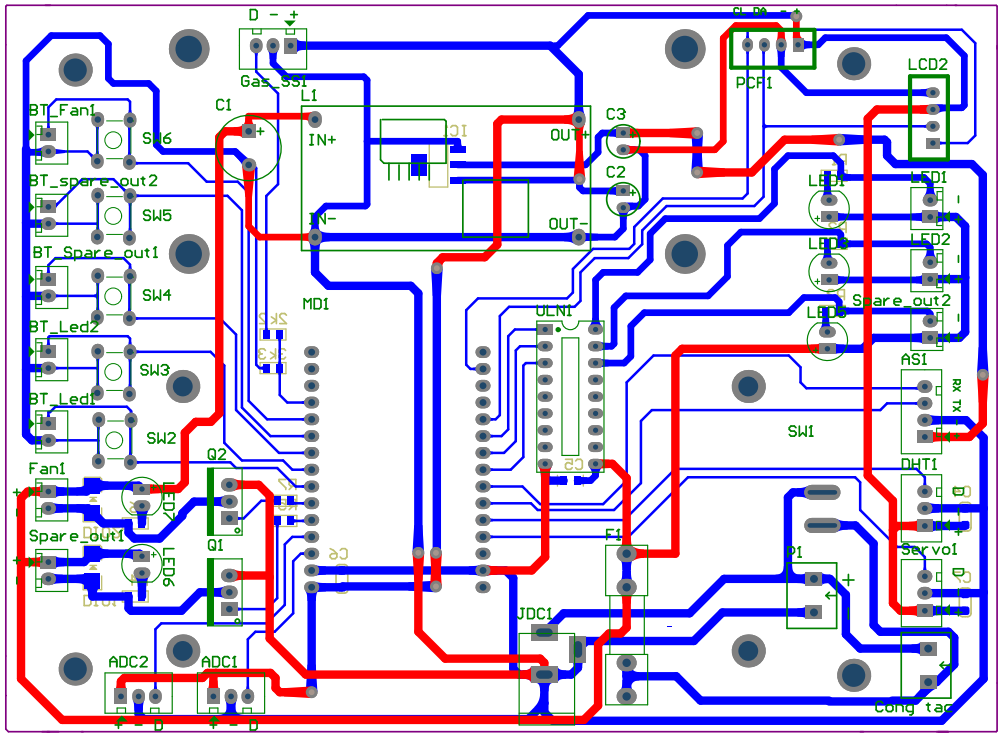


Khối keypad



Khối LCD




D - +
Gas_SSI
C1
L1
IN+
IN-
OUT+
OUT-
C3
C2
PCF1
LCD2
BT_Fan1
SW6
BT_spare_out2
SW5
BT_Spare_out1
SW4
BT_Led2
SW3
BT_Led1
SW2
Fan1
Spare_out1
LED2
LED1
Q2
Q1
MD1
ULN1
SW1
F1
JDC1
P1
ADC2
ADC1
LED1
LED2
LED3
Spare_out2
AS1
DHT1
Servo1
Cong tac

Comment	Description	Designator	Footprint	LibRef	Quantity
2k2	Resistor SMD 0805	2k2	DIEN TRO 0805	R0805	1
3k3	Resistor SMD 0805	3k3	DIEN TRO 0805	R0805	1
Header3	Header IDC, 3 x 1 Pin Vertical 2.54mm Pitch (Non-Boxed, Male)	ADC1, ADC2, DHT1, Gas_SS1, Servo1	Header3	Header3	5
Header4	Header IDC, 4 x 1 Pin Vertical 2.54mm Pitch (Non-Boxed, Male)	AS1	Header4	Header4	1
Header2	Header IDC, 2 x 1 Pin Vertical 2.54mm Pitch (Non-Boxed, Male)	BT_Fan1, BT_Led1, BT_Led2, BT_Spare_out1, BT_spare_out2, Fan1, LED2, LED4, Spare_out1, Spare_out2	Header2	Header2	10
1000uF/16V	Polarized Capacitor (Axial)	C1	C10mm	Cap Pol 12mm	1
100uF/16v	Polarized Capacitor (Axial)	C2, C3	C5mm	Cap Pol 5mm	2
approved sub OK	Capacitor SMD Cer 1.8nF 10% 50V X7R 0805	C4, C6, C7	CAP_0805	CAP C_0805	3
104	Capacitor	C5	C0805	CapSMD	1
Header 2 - M	Header, 2-Pin, Medium	Cong tac, P1	Medium - Header 2	Header 2 - M	2
M7	Default Diode	DIO1, DIO2	DIO-SMD-106	Diode SMD	2
F3A	Fuse	F1	Fuse	Fuse	1
LM1117	3v3	IC1	SOT223-4N	LM1117	1
Jac DC	Jac DC input	JDC1	DC-IN	DCIN	1
BUCK_LM2596		L1	BUCK_LM2596	BUCK_LM2596	1
LCD 16x2		LCD1	LCD16X2N	LCD	1
Header4	Header IDC, 4 x 1 Pin Vertical 2.54mm Pitch (Non-Boxed, Male)	LCD2, PCF1	XH2.54M-4	Header4	2
LED	LED Single colour Green and Red	LED1, LED3, LED5, LED6, LED7	LED-5 GRe	LED	5
module esp32 30p		MD1	module esp32 30 pin	module esp32 30p	1
TIP122	Darlington Silicon Power NPN Transistor, 8 Amp, 100 Volts and 65 Watts	Q1, Q2	QTO-220	TIP122	2
3.3K	Resistor SMD 0805	R1, R2, R3, R4, R6	DIEN TRO 0805	R0805	5
1k	Resistor SMD 0805	R5, R7	DIEN TRO 0805	R0805	2
KCD01-11_SWITCH	Nut Nhan 2 Chan SMD 3x6x2.5	SW1	KCD01-11	KCD01-11_SWITCH	1
SW	Switch button 4 pin	SW2, SW3, SW4, SW5, SW6	SW4	SW4	5
ULN2803	OCTAL HIGH CURRENT D	ULN1	DIP18/W0.3	ULN2803	1