Comment	Description	Designator
EEPROM 24Cxxx Dip	2-wire Serial EEPROM 512K (65,536 x 8)	AT1
PIN 3V	Battery 3VDC	BT1
10uf DIP	Capacitor (Semiconductor SIM Model)	C1
104	Capacitor	C2, C5, C8, C9, C10, C12, C14, C15, C19, C20
470uF	Capacitor (Semiconductor SIM Model)	C3
1000uF	Capacitor (Semiconductor SIM Model)	C4
Jump Couple 14x2	WR-PHD 2.54 mm Dual Socket Header	C6, C7
Jump Couple 5x2	WR-PHD 2.54 mm Dual Socket Header	C11
10uF	Capacitor	C13
Jump couple 3x2	WR-PHD 2.54 mm Dual Socket Header	C16, C17
DHT11 - cam bien nhiet do		C18
22pF - smd		Cx1, Cx2
22pF		Cx3, Cx4
12V	Jac DC input	DC1
1N4148	Default Diode	DIO1, DIO2
1N4007	Default Diode	DIO3
1N4007	Default Diode	DIO4
LED 7 thanh 4 led - 0.36	Four 7 Seg Dipslay	DS1
HC06- bluetooth		HC1
DS1307	Real Timer Serial	IC1
74HC595	8 Bit Serial input - Parallel Output	IC2, IC3
USB mini SMD		J1
Header 3.5		J2
LCD 16x2A	LCD dipslay 16 char, 2 line	LCD1
LED 0805 red		LED1, LED3, LED4, LED5, LED6
LED 0805 Green		LED2
Buzzer	Magnetic Transducer Buzzer	LS1
Matrix 8x8S	Matrix 8x8, Single colour	MT1
A1015 SMD	PNP 600mW, ECB	Q1, Q2, Q3, Q4
C1815 SMD	NPN 600mW, ECB	Q5, Q6
R0805 -10K	Resistor SMD 0805	R1
R0805 - 1k Smd	Resistor SMD 0805	R2
R0805 - 1k5	Resistor SMD 0805	R3, R5
R0805 330 ohm	Resistor SMD 0805	R4, R16, R17, R18, R19, R20, R21, R22, R23
R0805 -1k5	Resistor SMD 0805	R6
R0805 - 330ohm	Resistor SMD 0805	R7, R33
R0805 - 1k ohm	Resistor SMD 0805	R8, R9, R10, R11
R0805 -4.7k	Resistor SMD 0805	R12, R13, R14, R15
R0805 10k smd	Resistor SMD 0805	R24
R0805 -330 ohm	Resistor SMD 0805	R25, R26, R27, R28, R29, R30, R31, R32
R0805 10k ohm	Resistor SMD 0805	R34
R0805 - 1k	Resistor SMD 0805	R35, R36
Relay 5A/5V	Relay SPDT,10A - 12VDC 5 Pin	RL1
switch 2 nhan nha chan SMD	Switch	S1
Switch 4 chan	WS-DITV 2.54 mm small compact THT flat actu	S2, S3, S4, S10

Switch 14 chan	WS-DITV 2.54 mm small compact THT flat actu	S5
Switch 16 chan	WS-DITV 2.54 mm small compact THT flat actu	S6
Swith 6 chan	WS-DITV 2.54 mm small compact THT flat actu	S7
Switch 2 chan	WS-DITV 2.54 mm small compact THT flat actu	S8, S12
swith 2 chan smd	Switch	S9
Switch nhan nha 2 chan	Switch	S11
Switch nhan giu	SW-DTDP - 6 Pin	SW1
LM7805	Regulator	U1
ATmega328-PU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEP	U2
CH340G	High and Low Side Driver	U3
ESP-01	ESP-12 Wi-Fi Module	U4
ULN2803	OCTAL HIGH CURRENT DRIVER	U5
bien tro 10K	Var Resistor	VR1
12Mhz	Crystal For all Crystal 2pin., Crystal, 32.768 KHz,	X1, X2
32.768k	Crystal, 32.768 KHz, -40 to 85 degC, 3.2 x 1.5 x	X3

Footprint	LibRef	Quantity
Dip8	EEPROM.24Cx	1
PIN3V	PIN 3V	1
CA-ALU-2.54	CN-ALU-DIP	1
C0805	CapSMD	10
CA-ALU-2.54	CN-ALU-DIP	1
CA-ALU-2.54	CN-ALU-DIP	1
JP14-D2T	JP14x2	2
JP5-D2T	JP5x2	1
C0805	CapSMD	1
JP3-D2T	JP3x2	2
DHT11	DHT11	1
CN-SMD-0805	CN	2
CN-SMD-0805	CN	2
DC-IN	DCIN	1
DIO-SMD-123	Diode SMD	2
DIO-SMD-106	Diode SMD	1
DIO-SMD-123	Diode SMD	1
LED7SEG-4-0.36	LED7SEG-4	1
HC06-1	HC06-1	1
DIP8	DS1307	1
SO16	74595	2
USB-M1	USB-5	1
KF3-3.5	KF3	1
LCD16X2	LCD16x2A	1
LED-0805-Yellow	LED SMD	5
LED-0805-Yellow	LED SMD	1
Buzzer	Buzzer	1
Matrix	LED 8x8S	1
SOT23B	A1015	4
SOT23B	C1815	2
DIEN TRO 0805	R0805	1
DIEN TRO 0805	R0805	1
DIEN TRO 0805	R0805	2
DIEN TRO 0805	R0805	9
DIEN TRO 0805	R0805	1
DIEN TRO 0805	R0805	2
DIEN TRO 0805	R0805	4
DIEN TRO 0805	R0805	4
DIEN TRO 0805	R0805	1
DIEN TRO 0805	R0805	8
DIEN TRO 0805	R0805	1
DIEN TRO 0805	R0805	2
RL_SPDT_10A	Relay 1	1
SW-SMD	SW-SMD	1
SW-DIP2	SWDIP2	4
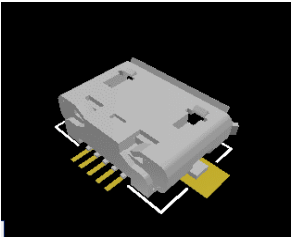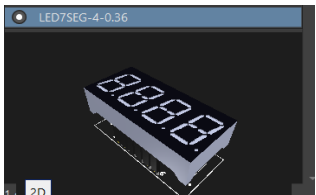
với mỗi 1 con chip cắm
phải mua 1 đế tương ứng với
nó để cắm. Cả các con Sensor và
led matrix, 7 thanh cũng như thế

SW-DIP7-1	SWDIP7	1
SW-DIP8	SWDIP8	1
SW-DIP3-1	SWDIP3	1
SW-DIP1-1	SWDIP1	2
SW-SMD	SW-SMD	1
SW-SMD	SW-SMD	1
SW6	SW6A	1
TO-263	LM78xx	1
DIP28	ATmega328-P	1
SO16	CH340G	1
ESP8266	ESP8266-01	1
SO18	ULN2803	1
VR-S2	VR-S	1
XT2	XT2	2
XT32k	XT2	1