

NORVI IIOT

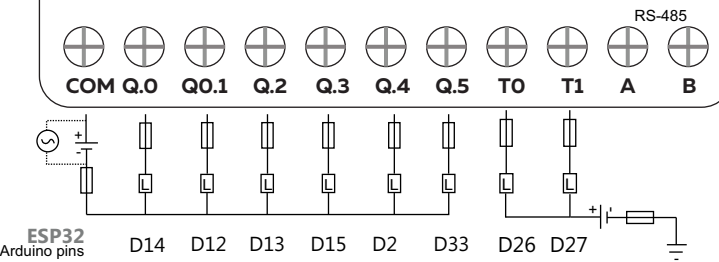
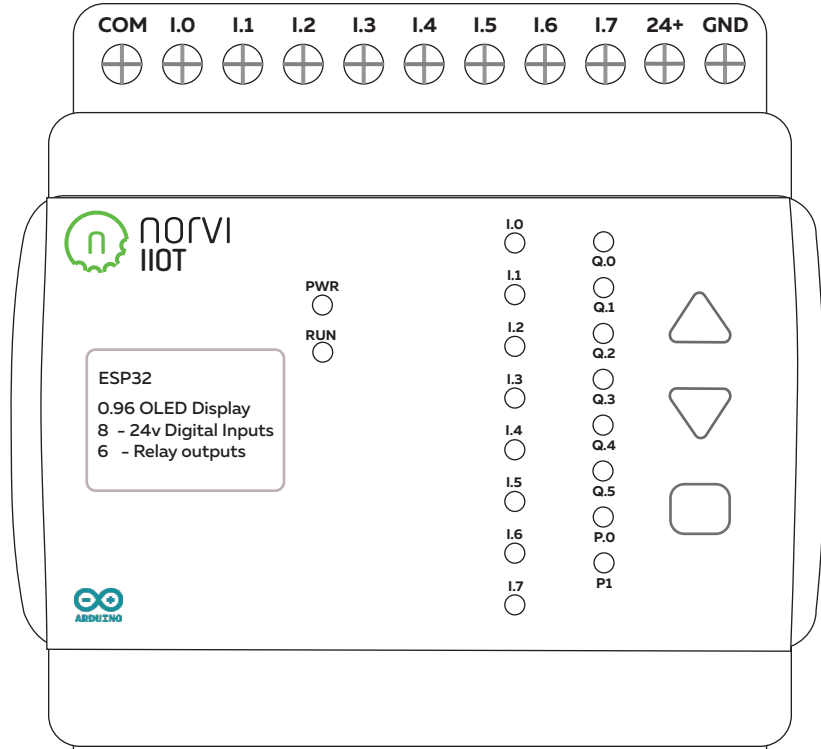
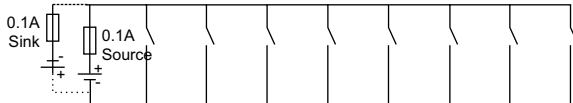
ESP32 WROOM-32

Quick Guide

Connections and Programming

24V DC Sink/Source

ESP32 Arduino pins IO18 VN IO34 IO35 IO19 IO21 IO22 IO23



Micro-controller			
Chip	ESP32-WROOM32		
Clock	80 Mhz		
Bootloader	ESP32 Arduino		

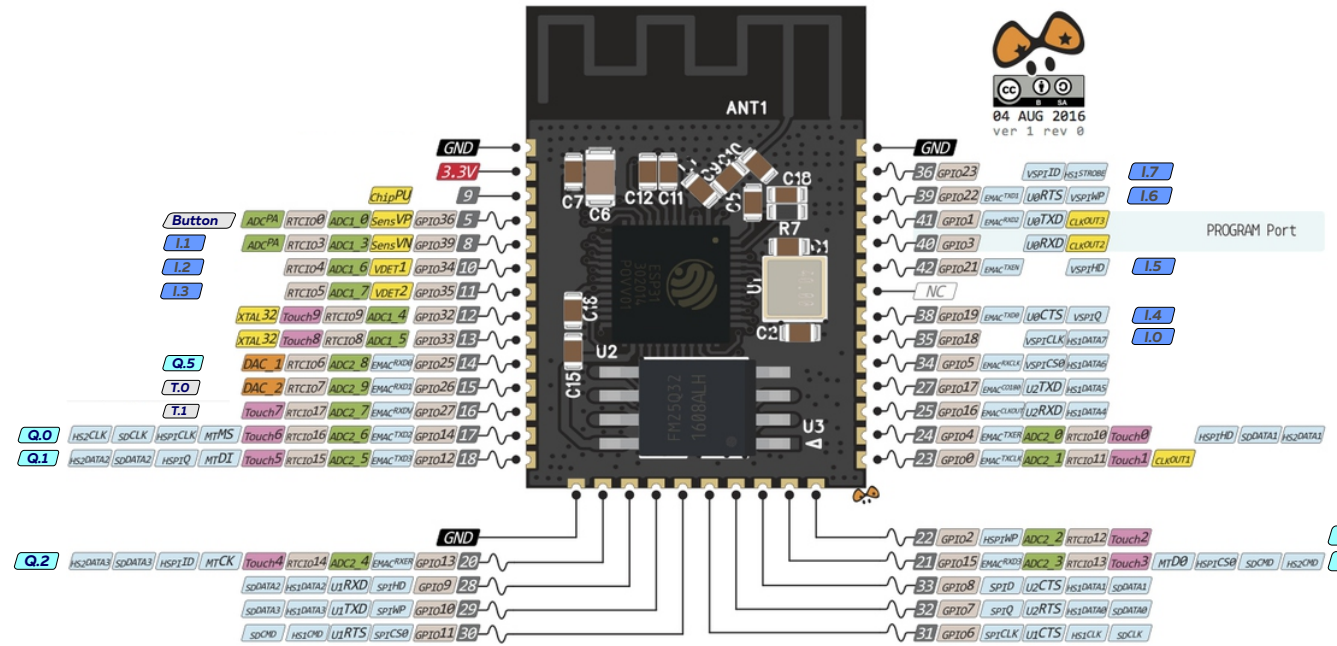
microSD Card connections			
SCK	IO18	CS	IO5
MISO	IO23	SD Detect	IO14
MOSI	IO23		

OLED Display 0.96'			
Interface Controller	I2C 0x3C(Address) SSD1306		
OLED_SCL	IO16	OLED_SDA	IO17

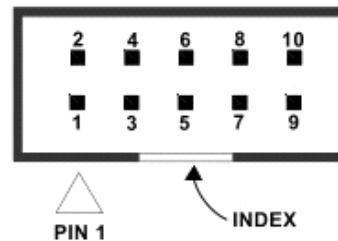
DS3231 RTC			
Interface Controller	I2C 0x3C(Address) DS3231		
OLED_SCL	IO16	OLED_SDA	IO17

Power	
Supply Voltage	24V DC
Digital input voltage	24V Sink/Source
Relay Max. current	5A max
Transistor Max. current	500mA

TFT Display 0.96'			
Interface Controller	SPI ST7789		
TFT_SCK	IO18	TFT_RST	IO32
TFT_MOSI	IO23	TFT_DC	IO13
TFT_CS	IO27		



Expansion port



PIN	ESP32 Connection
1	IO33
2	TXD0
3	Not Connected
4	RXD0
5	BOOT IO0
6	IO32
7	Not Connected
8	SCL IO17
9	Ground
10	SDA IO16