

IR



The diagram shows the electrical connections for an IR sensor module. It includes a 5V supply (VDD_5V), a ground connection (GND1), and a 3.3V supply (VDD33). The IR sensor is represented by a component labeled 'IR' with two pins: one connected to VDD_5V through a 10k resistor (R20) and a 10uF capacitor (C21), and the other connected to VDD33 through a 33k resistor (R11). The output of the sensor is connected to a GPIO pin (GPIO19) through a 100k resistor (R28).

FLASH

The diagram illustrates the connection of a BY25Q16B8ST1G flash memory (U4) to an ESP8266. The connections are as follows:

- CS (Pin 1):** Connected to **ESPI_CS**.
- DO (Pin 2):** Connected to **ESPI_DATA1**.
- WP (Pin 3):** Connected to **ESPI_DATA2**.
- GND (Pin 4):** Connected to ground.
- VCC (Pin 8):** Connected to **VDD33**.
- HOLD (Pin 7):** Connected to **ESPI_DATA3**.
- SCLK (Pin 6):** Connected to **ESPI_CLK**.
- DI (Pin 5):** Connected to **ESPI_DATA0**.

A 0.1uF capacitor (C8) is connected between **VDD33** and ground.

RTL8710BN

RTL8710BN-A0-CG U3

AmeshaZ 8710BN-A1 QFN32 5X5

Pinout Table:

Pin	Function
1	GPIOA_30
2	GPIOA_29
3	VA33_XTAL
4	X0
5	X1
6	VR33_SYNVR33_SYNLDO
7	GND_RF
8	VR33_PA
9	RFO
10	VR33_PAD
11	VR33_TR
12	CHIP_EN
13	GPIOA_14
14	GPIOA_15
15	VD12_CORE
16	GPIOA_0
17	CW
18	GPIOA_6
19	GPIOA_7
20	GPIOA_8
21	GPIOA_9
22	GPIOA_10
23	GPIOA_11
24	VD1833_FLASH
25	VD33_LDO
26	VD12_OUTVA12_SYS
27	VBAT_MEAS
28	GPIOA_5
29	GPIOA_18
30	GPIOA_19
31	GPIOA_31
32	GPIO23
33	GND

