

SD WiFi Interface

Header Pin	Signal	Header Pin	Signal
1	VDD33V	11	WIFI_PD
2	GND	12	SD_CMD
3	I2C_SCL	13	SD_CLK
4	I2C_SDA	14	SD_WPn
5	SPIMOSI	15	SD_DATA0
6	SPIMISO	16	SD_DATA1
7	SPICLK	17	SD_DATA2
8	SPICS	18	SD_DATA3
9	WIFI_IO	19	
10		20	

SD-WiFi 1035 Circuit Diagram

The diagram illustrates the internal connections of the SD-WiFi 1035 module, centered around the MR-09 module (U1).

Power and Ground Connections:

- VDD33V:** Connected to the module's VDD3.3 pins (27, 28, 29, 30, 31, 32, 33, 34, 35, 36) through a 0R resistor (R1) and a 10uF/10V capacitor (C1).
- GND:** Multiple ground connections are shown, including pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36.

Signal Connections:

- SD Data:** SD_DATA0, SD_DATA1, SD_DATA2, and SD_DATA3 are connected to the module's SD_D0, SD_D1, SD_D2, and SD_D3 pins respectively.
- SD Command:** SD_CMD is connected to the module's SD_CMD pin.
- SD Clock:** SD_CLK is connected to the module's SD_CLK pin.
- SD Write Protect:** SD_WPn is connected to the module's SD_WPn pin.
- WIFI_PD:** Connected to the module's WIFI_PD pin.
- WIFI_IO:** Connected to the module's WIFI_IO pin.

Other Components:

- Antenna:** Connected to the module's ANT1 pin through a 10uH inductor (L1) and a 0R resistor (R2).
- Resistors:** R3 (0R), R4 (0R), R5 (0R), R6 (330), R7 (0R), R8 (100K), R9 (100K).
- Capacitors:** C2 (104), C3 (104), C4 (1uF), C5 (104), C6 (104), C7 (104), C8 (1uF), C9 (104), C10 (104).
- Diode:** D1 (GREEN).

