

CPU  
 Freescale Vybrid  
 MVF61  
 ARM Cortex-A5 500M  
 ARM Cortex-M4 167M

Memory  
 DDR3-800  
 256MBytes

2 x USB  
 Ethernet RX/TX  
 SD/MMC  
 3 x UART  
 SPI  
 2 x I2C  
 CAN  
 PWM  
 SPDIF  
 GPIO  
 JTAG  
 DAC  
 ADC  
 VideoADC

NAND Flash  
 memory  
 SLC  
 256MBytes

Ethernet PHY  
 100/10M

Power system

X1

← MiniPCle →					
GND	1	GND	5V	2	→ 5V
USB0_DM	3	USB0_DM	5V	4	→ 5V
USB0_DP	5	USB0_DP	5V	6	→ 5V
USB0_VBUS_DET	7	USB0_VBUS_DET	5V	8	→ 5V
USB1_DM	9	USB1_DM	Battery	10	→ VBAT
USB1_DP	11	USB1_DP	Reset	12	→ RESET
USB1_VBUS_DET	13	USB1_VBUS_DET	GND	14	→ GND
GND	15	GND	SPI_CLK	16	→ SPI_CLK
CAN_RX	17	CAN_RX	SPI_MOSI	18	→ SPI_MOSI
CAN_TX	19	CAN_TX	SPI_MISO	20	→ SPI_MISO
UART2_TX	21	UART2_TX_Console	SPI_CS0	22	→ SPI_CS0
UART2_RX	23	UART2_RX_Console	SPI_CS1	24	→ SPI_CS1
I2C1_SDA	25	I2C1_SDA	I2C2_SCL	26	→ I2C2_SCL
I2C1_SCL	27	I2C1_SCL	I2C2_SDA	28	→ I2C2_SDA
3.3V	29	3.3V	UART1_TX	30	→ UART1_TX
SDHC_D0	31	SD_D0	UART1_RX	32	→ UART1_RX
SDHC_D1	33	SD_0	UART3_TX	34	→ UART3_TX
SDHC_CLK	35	SD_CLK	UART3_RX	36	→ UART3_RX
SDHC_CMD	37	SD_CMD	GPIO/JTDD	38	→ GPIO_JTDD
SDHC_D3	39	SD_D3	GPIO/TMS	40	→ GPIO_JTMS
SDHC_D4	41	SD_D2	GPIO/TDO	42	→ GPIO_JTDO
3.3V	43	3.3V	GPIO/TCK	44	→ GPIO_JTCK
ETH_TXP	45	ETH_TXP	GPIO/ADC	46	→ GPIO_ADC
ETH_TXN	47	ETH_TXN	DAC	48	→ DAC
ETH_RXP	49	ETH_RXP	ADC	50	→ ADC
ETH_RXN	51	ETH_RXN	GND	52	→ GND

©PCB.esp8266