	Signal Group	Signal	I/O	Description
Reserved	Power	VCC	I	VCC Source
		GND	~	Return current path
		VBUS	~	This is the power supply pin. It stands for Voltage Bus. In a USB connection, it typically provides a 5V power supply.
		VBAT	~	"Voltage Battery" (VBAT) is a pin directly linked to a device's battery, used for power supply and battery voltage measurement
		NTC	I	The voltage on this pin depends on the resistance of the NTC thermistor and the current flowing through it. The resistance of the NTC thermistor varies with temperature.
		GND	~	The GND pin is the return path for the signals and is necessary for the circuit to work properly
		VDDA	~	VCC Source for analoge pin
		VSSA	~	GND Source for analoge pin
	DATA/USB	USB D+	IO	The (+ve) data pin
		USB D-	IO	The (-ve) data pin
		CC1	IO	Channel Configuration pins.
		CC2	IO	Channel Configuration pins.
Priority I/O	I2C	SCL	IO	Serial Clock Line: This line is used to synchronize the data transfer between the devices. The clock signal is generated by the master device.
		SDA	IO	Serial Data Line: This line is used for the actual data transfer. The data is transferred serially, bit by bit, on this line.
	SPI	SCK	IO	Serial Clock: This line is used to synchronize the data transfer between the devices. The clock signal is generated by the master device.
		MOSI	O	Master Out Slave In: This line is used by the master device to send data to the slave device.
		MISO	I	Master In Slave Out: This line is used by the slave device to send data to the master device.
		CS	O	Chip Select: This line is used to select the device with which the master device wants to communicate.
	Analogue	A0	IO	An analog pin is a type of input/output (I/O) pin on a microcontroller or other electronic device that can read or write an analog signal.
		A1	IO	""
		A2	IO	""
		A3	IO	""
		A4	IO	""
		A5	IO	""
		A6	IO	""
		A7	IO	""
	Vendor	V3/D40	IO	Vendor specific pin can be used as GPIO.
		V3/D39	IO	Vendor specific pin can be used as GPIO.
General	GPIO	D38	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D37	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D36	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D35	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D34	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D33	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D32	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D31	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D30	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D29	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D28	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D27	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D26	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D25	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D24	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D23	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D22	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D21	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D20	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D19	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D18	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D17	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D16	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D15	I/O	GPIO: A general-purpose input/output is an digital signal pin.
		D14	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D13	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D12	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D11	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D10	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D9	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D8	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D7	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D6	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D5	IO	GPIO: A generpal-purpose input/output is an digital signal pin.
		D4	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D3	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D2	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D1	IO	GPIO: A general-purpose input/output is an digital signal pin.
		D0	IO	GPIO: A general-purpose input/output is an digital signal pin.

Voltage
1.8V
0V
0V
3.0V to 4.2V
-
0V
1.8V
0V
0V
0V
~
~
1.8V
1.8V
1.8V
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