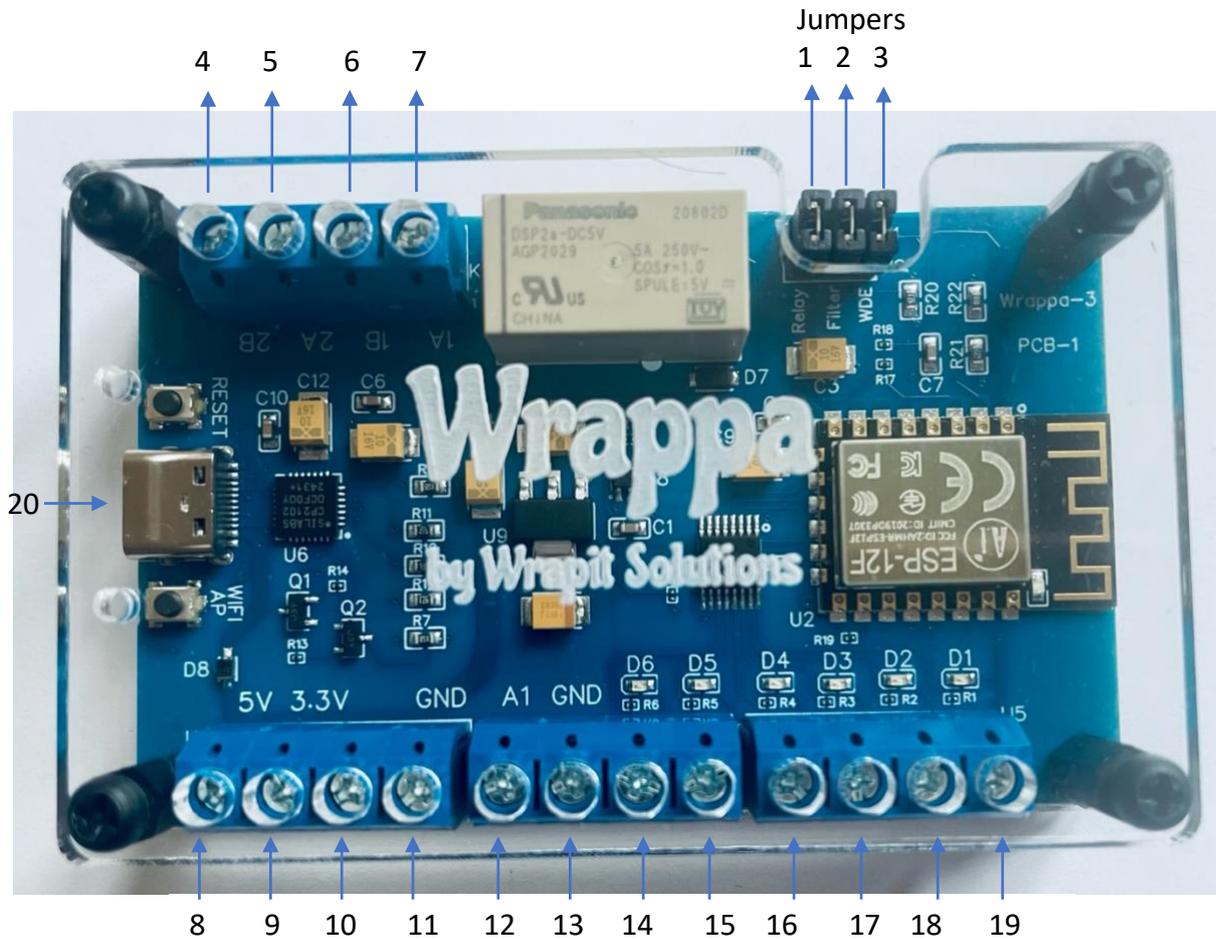


# **Wrapit Solutions**

## Wrapit-Hub and Wrappa External Connection and Description

# 1 Wrappa

## 1.1 Terminal and Jumper Descriptions



Item	Description	Item	Description
1.	Relay - enables relay on D6	11.	Ground
2.	Filter – enables analogue out filter on D1	12.	A1 Analogue-in
3.	WDE – enables watchdog timer	13.	Ground
4.	Relay terminal 2A (Normally Open)	14.	D6 – Digital Output only (Relay via jumper)
5.	Relay terminal 2B (Normally Open)	15.	D5 – Digital IO or Analog out (PWM)
6.	Relay terminal 1A (Normally Open)	16.	D4 - Digital IO or Analog out (PWM)
7.	Relay terminal 1B (Normally Open)	17.	D3 - Digital IO or Analog out (PWM)
8.	+5V	18.	D2 - Digital IO or Analog out (PWM)
9.	+3.3V	19.	D1 – Digital IO or Filtered analog via Jumper-2
10.	Not Connected	20.	USB-C Input Power

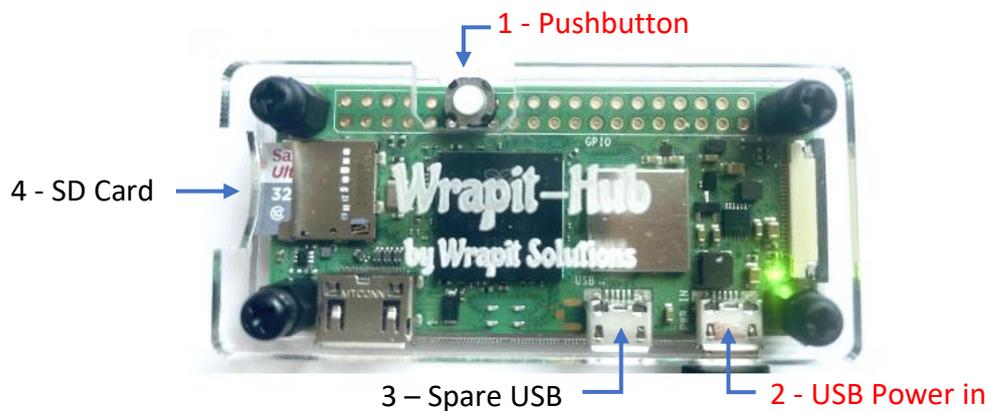
## 1.2 Pushbutton Functions

The function of the two pushbuttons adjacent to the USB-C connector are as follows:

Button	Action	Function
RESET	Press for 1s	Resets the Wrappa
WIFI AP	Press for > 10s	Reload factory software
WIFI AP	Press for more than 5s < 10s	Wrappa goes into WiFi AP mode for reconfiguration

## 2 Wrapit – Hub

The Wrapit-Hub connectors and pushbuttons are outlined below:



Item	Name	Action	Function
1	Pushbutton	Push >5s but <10s	Puts the Wrapit Hub in Access Point (AP) mode
		Push > 10s	Resets the password to factory setting
2	Power in	-	Micro USB Power Pack plugs in here
3	USB Port	-	Spare USB port
4	SD Card	-	32GB Fully configured system hub SD card