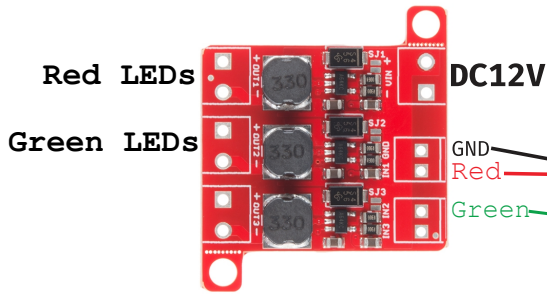


## picobuck for optogenetics



relay for  
backlight



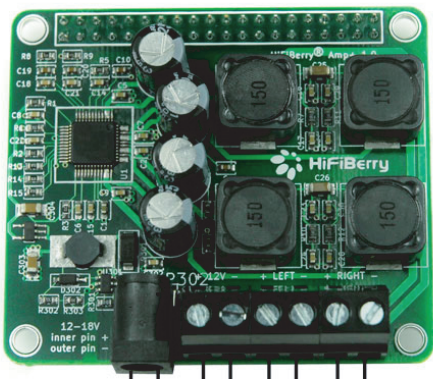
GPI021	29	●	○	GND
GPI020	28	●	○	25 GPI026
GPI016	27	○	●	24 GPI019
GND		○	○	23 GPI013
GPI012	26	○	○	22 GPI06
GND		○	○	21 GPI05
ID_SC	31	●	●	30 ID_SD
GPI07CE1	11	○	○	GND
GPI08CE0	10	○	○	14 SCLK GPI011
GPI025	6	○	○	13 MISO GPI09
GND		○	○	12 MOSI GPI010
GPI024	5	○	○	3.3V
GPI023	4	○	○	3 GPI022
GND		○	○	2 GPI027
GPI018	1	●	○	0 GPI017
GPI015RX	16	○	○	GND
GPI014TX	15	○	○	7 GPI04
GND		○	○	9 SCLK GPI03
5V		○	○	8 SDAGPI02
5V		○	○	1 3.3V

● used by  
Hifiberry Amp+/Amp2



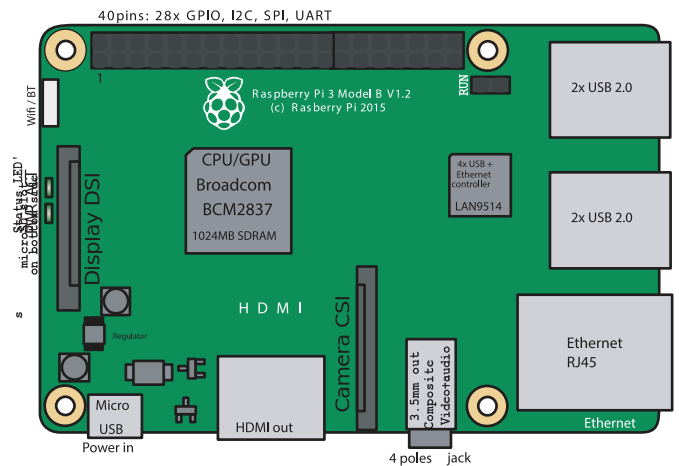
temperature  
and humidity  
sensor DHT223

## HIFIBERRY Amp+

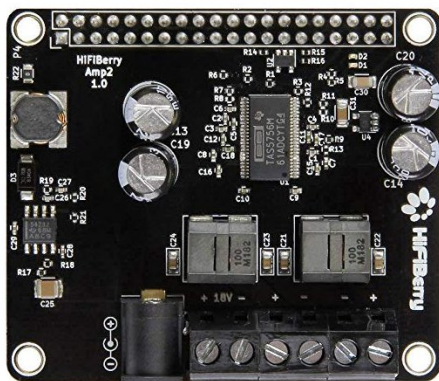


to sync  
(IR LED) long short

to speaker



## HIFIBERRY Amp2



polarity is  
different!

to speaker

long short

to sync  
(IR LED)

Left-right channels  
are different!