

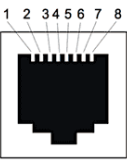
8 x RJ45 breakout board for raspberry pi - pinout created by Hjalte Nielsen at Aalborg University

More raspberry pi pinout info at pinout.xyz

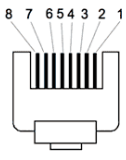
pin numebr	rpi pin	connector-pin	note
36	BCM 16 (SPI1 CE2)	port 1 - pin 3	dtparam=spi=on, dtoverlay=spi1-1cs, cs0_pin=36
35	BCM 19 (MISO)	port 1 - pin 4	
38	BCM 20 (MOSI)	port 1 - pin 5	
40	BCM 21 (SCLK)	port 1 - pin 6	
37	BCM 26	port 2 - pin 3	
33	BCM 13 (PWM1)	port 2 - pin 4	
31	BCM 6 (GPCLK)	port 2 - pin 5	
22	BCM 25	port 3 - pin 3	
32	BCM 12 (PWM0)	port 3 - pin 4	
29	BCM 5 (GPCLK)	port 3 - pin 5	
11	BCM 17	port 4 -pin 3	
12	BCM 18 (PWM0)	port 4 - pin 4	
7	BCM 4 (GPCLK)	port 4 - pin 5	
15	BCM 22	port 5 - pin 3	
13	BCM 27	port 5 - pin 4	
5	BCM 3 (SCL)	port 5 - pin 5	
3	BCM 2 (SDA)	port 5 - pin 6	
16	BCM 23	port 6 - pin 3	
18	BCM 24	port 6 - pin 4	
8	BCM 14 (TXD)	port 6 - pin 5	
10	BCM 15 (RXD)	port 6 - pin 6	
24	BCM 8 (CE0)	port 7 - pin 3	
21	BCM 9 (MISO)	port 7 - pin 4, port 8 - pin 4	
19	BCM 10 (MOSI)	port 7 - pin 5, port 8 - pin 5	
23	BCM 11 (SCLK)	port 7 - pin 6, port 8 - pin 6	
26	BCM 7 (CE1)	port 8 -p3	
2	5v Power	port x - pin 1	
4	5v Power	port x - pin 1	
1	3v3 Power	port x - pin 2	
17	3v3 Power	port x - pin 2	
6	Ground	port x - pin 7, port x - pin 8	
9	Ground	port x - pin 7, port x - pin 8	
14	Ground	port x - pin 7, port x - pin 8	
20	Ground	port x - pin 7, port x - pin 8	
25	Ground	port x - pin 7, port x - pin 8	
30	Ground	port x - pin 7, port x - pin 8	
34	Ground	port x - pin 7, port x - pin 8	
39	Ground	port x - pin 7, port x - pin 8	
27	BCM 0 (ID_SD)	not connected	
28	BCM 1 (ID_SC)	not connected	

3v3 Power	port x - pin 2	1	2	port x - pin 1	5v Power
BCM 2 (SDA)	port 5 - pin 6	3	4	port x - pin 1	5v Power
BCM 3 (SCL)	port 5 - pin 5	5	6	port x - pin 7, port x - pin 8	Ground
BCM 4 (GPCLK)	port 4 - pin 5	7	8	port 6 - pin 5	BCM 14 (TXD)
Ground	port x - pin 7, port x - pin 8	9	10	port 6 - pin 6	BCM 15 (RXD)
BCM 17	port 4 -pin 3	11	12	port 4 - pin 4	BCM 18 (PWM0)
BCM 27	port 5 - pin 4	13	14	port x - pin 7, port x - pin 8	Ground
BCM 22	port 5 - pin 3	15	16	port 6 - pin 3	BCM 23
3v3 Power	port x - pin 2	17	18	port 6 - pin 4	BCM 24
BCM 10 (MOSI)	port 7 - pin 5, port 8 - pin 5	19	20	port x - pin 7, port x - pin 8	Ground
BCM 9 (MISO)	port 7 - pin 4, port 8 - pin 4	21	22	port 3 - pin 3	BCM 25
BCM 11 (SCLK)	port 7 - pin 6, port 8 - pin 6	23	24	port 7 - pin 3	BCM 8 (CE0)
Ground	port x - pin 7, port x - pin 8	25	26	port 8 -p3	BCM 7 (CE1)
BCM 0 (ID_SD)	not connected	27	28	not connected	BCM 1 (ID_SC)
BCM 5 (GPCLK)	port 3 - pin 5	29	30	port x - pin 7, port x - pin 8	Ground
BCM 6 (GPCLK)	port 2 - pin 5	31	32	port 3 - pin 4	BCM 12 (PWM0)
BCM 13 (PWM1)	port 2 - pin 4	33	34	port x - pin 7, port x - pin 8	Ground
BCM 19 (MISO)	port 1 - pin 4	35	36	port 1 - pin 3	BCM 16 (SPI1 CE2)
BCM 26	port 2 - pin 3	37	38	port 1 - pin 5	BCM 20 (MOSI)
Ground	port x - pin 7, port x - pin 8	39	40	port 1 - pin 6	BCM 21 (SCLK)

Legend
GPIO
SERIAL
SPI
GROUND
I2C
3.3V
5.0V



Rj-45 Jack (Female)



Rj-45 Plug (Male)

pin	type
1	5V
2	3.3V
3	gpio
4	gpio
5	gpio
6	gpio
7	Ground
8	Ground