

Raspberry Pi 3B Accessory Board Pin Assignments

BCM	wPi	SIGNAL	SCH	PHYSICAL		SCH	SIGNAL	wPi	BCM
			1	1	2	40	+5V		
2	8	RED	2	3	4	39	+5V (SPKR)		
3	9	YELLOW	3	5	6	38	GND		
4	7	GREEN	4	7	8	37	UART (TX)	15	14
			5	9	10	36	UART (RX)	16	15
17	0	BTN2	6	11	12	35	BTN3	1	18
27	2	7SEG_D	7	13	14	34			
22	3	N/C	8	15	16	33	7SEG_DP	4	23
			9	17	18	32	7SEG_A	5	24
10	12	MOSI	10	19	20	31			
9	13	MISO	11	21	22	30	7SEG_B	6	25
11	14	SCLK	12	23	24	29	CE0	10	8
			13	25	26	28	CE1	11	7
0	30	N/C	14	27	28	27	N/C	31	1
5	21	BLUE	15	29	30	26			
6	22	SPKR	16	31	32	25	SW1	26	12
13	23	SW2	17	33	34	24			
19	24	BTN4	18	35	36	23	BTN1	27	16
26	25	7SEG_C	19	37	38	22	BTN5	28	20
			20	39	40	21	7SEG_EN	29	21

On the schematic diagram for the accessory board, the pin numbers for the 40-pin header are numbered anticlockwise as shown under the **SCH** columns. When looking at the online documentation for the Raspberry Pi 3 Model B, the pin numbers for the 40-pin header are numbered as shown under the **PHYSICAL** columns. The **wiringPi** library's virtual pin numbers are shown under the **wPi** columns. The **pigpio** library uses the Broadcom pin numbers shown in the **BCM** columns. The pin numbers shown under the BCM columns indicate the GPIO numbers for the Broadcom BCM2837 SoC (the ARM Cortex-A53 microprocessor IC)—e.g., BCM 4 == GPIO4.