


Raspberry Pi GPIO in Depth

with Mark Niemann-Ross

This diagram compares all of the GPIO numbering schemes.

This identifies pins for Raspberry Pi Models A+, B+ and 2. Models A and B use a different scheme.

Function	WiringPi	GPIO. BCM and Scratch	GPIO. BOARD		GPIO. BOARD	GPIO. BCM and Scratch	WiringPi	Function
3.3 VDC			1		2			5 VDC
SDA1	8	2	3		4			5 VDC
SCL1	9	3	5		6			GND
GPCLK0	7	4	7		8	14	15	TxD
GND			9		10	15	16	RxD
GPIO	0	17	11		12	18	1	PCM_CLK PWM0
GPIO	2	27	13		14			GND
GPIO	3	22	15		16	23	4	GPIO
3.3 VDC			17		18	24	5	GPIO
MOSI	12	10	19		20			GND
MISO	13	9	21		22	25	6	GPIO
SCLK	14	11	23		24	8	10	CE0
GND			25		26	7	11	CE1
SDA0			27		28			SCL0
GPCLK1	21	05	29		30			GND
GPCLK2	22	06	31		32	12	26	PWM0
PWM1	23	13	33		34			GND
PCM_FS PWM2		19	35		36	16	27	GPIO
GPIO	25	26	37		38	20	28	PCM_DIN
GND			39		40	21	29	PCM_ DOUT