

BCM	header pin	function(s)	Venus OS		Waveshare + other 1 ch	Waveshare 2 ch CANbus Hats			Canberry
			Legacy	Alternate		non FD	FD Mode A	FD Mode B	1 ch
2	3	I2C SDA		Relay 1					alt Relay 4
3	5	I2C SCL		Dig In 4					
4	7	GPCLK0		Relay 6					
5	29		Dig in 1	Dig in 1					
6	31		Dig In 2	Dig In 2					
7	26	spi0-1				spi0-1	(spi0-1 cs)	spi0-1	
8	24	spi0-0			spi0-0	spi0-0	spi0-0 cs	spi0-0	spi0-0
9	21	spi0 MISO			spi0 MISO	spi0 MISO	spi0 MISO	spi0 MISO	spi0 MISO
10	19	spi0 MOSI			spi0 MOSI	spi0 MOSI	spi0 MOSI	spi0 MOSI	spi0 MOSI
11	23	spi0 SCK			spi0 SCK	spi0 SCK	spi0 SCK	spi0 SCK	spi0 SCK
12	32			Relay 5					
13	33		Dig In 3	Dig In 3					
14	8	UART	UART	UART					
15	10	UART	UART	UART					
16	36	spi1-2 cs	Shutdown	Shutdown					
17	11	spi1-1 cs	Relay 2	Relay 2					
18	12	PCM / spi1-0 cs					spi1-0 cps		
19	35	PCM / spi1 MISO	Dig In 4				spi1 MISO		
20	38	PCM / spa 1 MOSI					spa 1 MOSI		
21	40	PCM / spa 1 SCLK	Relay 1				spa 1 SCLK		
22	15		Relay 4	Relay 4					Int 1
23	16		Relay 5			Int 0			
24	18	spi1-0 int	Relay 6				Int 1	Int 1	
25	22	spi0-0 int			Int 0	Int 1	Int 0	Int 0	
26	37		Dig In 5	Dig In 5					
27	13		Relay 3	Relay 3					