

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