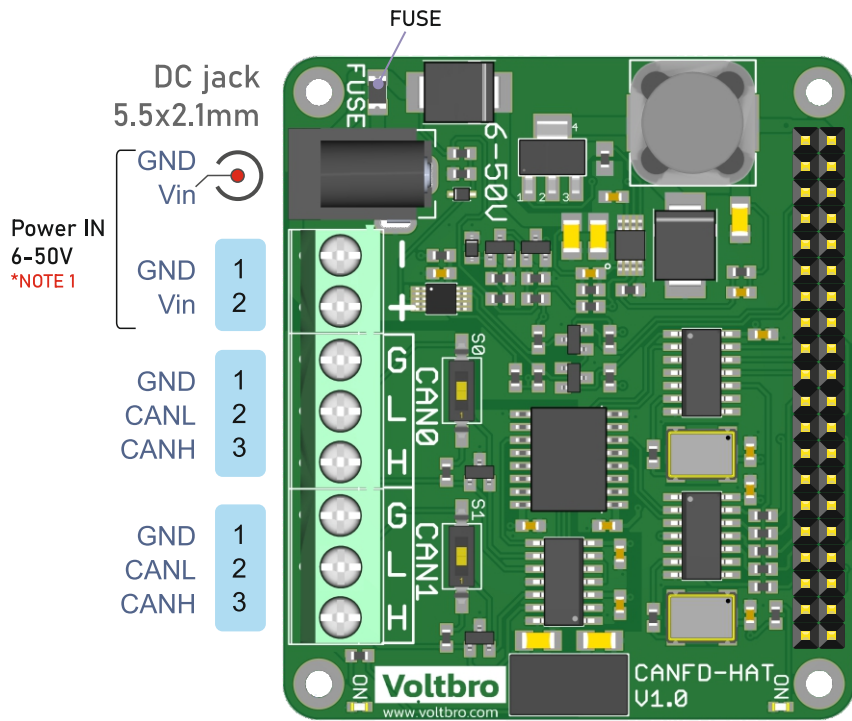


VBCore CAN FD Raspberry PI HAT v1.0



Raspberry PI headers

3V3	1		2	5V
SDA1	3		4	5V
SCL1	5		6	GND
04	7		8	TX1
GND	9		10	RX1
17	11		12	18
27	13		14	GND
22	15		16	23
3V3	17		18	24
MOSI0	19		20	GND
MISO0	21		22	25
SCK0	23		24	08
GND	25		26	07
TX2	27		28	RX2
05	29		30	GND
06	31		32	12
13	33		34	GND
MISO6	35		36	36
26	37		38	MOSI6
GND	39		40	SCK6

● Connected pins ■ Free pins
○ Shared pins

Voltage control

ADS1115
16-Bit I2C ADC

Controll	PIN	I2C
AIN0	1/11 Vin	
ADR	GND	0x48
SCL	GPIO2	SDA
SDA	GPIO3	SCL

CAN0 Channel

MCP2518FD
CAN FD Controller with SPI Interface

Controll	PIN	Header
MISO	GPIO9	21
MOSI	GPIO10	19
SCK	GPIO11	23
CS	GPIO8	24
INT	GPIO25	22

CAN1 Channel

MCP2518FD
CAN FD Controller with SPI Interface

Controll	PIN	Notes
MISO	GPIO9	21
MOSI	GPIO10	19
SCK	GPIO11	23
CS	GPIO7	26
INT	GPIO24	18

VBCore Raspberry PI CAN/CANFD HAT v1.0

VIN: 6-50V
 CAN FD CONTROLLER: MCP2518FD
 CAN TRANSCEIVER: MCP25612FD
 I2C Voltage control
 CAN / CAN-FD channels: 2
 Dimensions: 65x56mm
 Mount holes: 58x49mm D2.5 mm

NOTES:

- DC jack and terminals are parallel - not connect simultaneously
- I2C lines SCL and SDA lines pulled up

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