

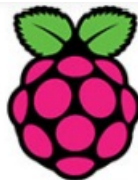


WAVESHARE WAV-20218 Industrial 8 Channel Relay Module for Raspberry Pi Pico User Manual

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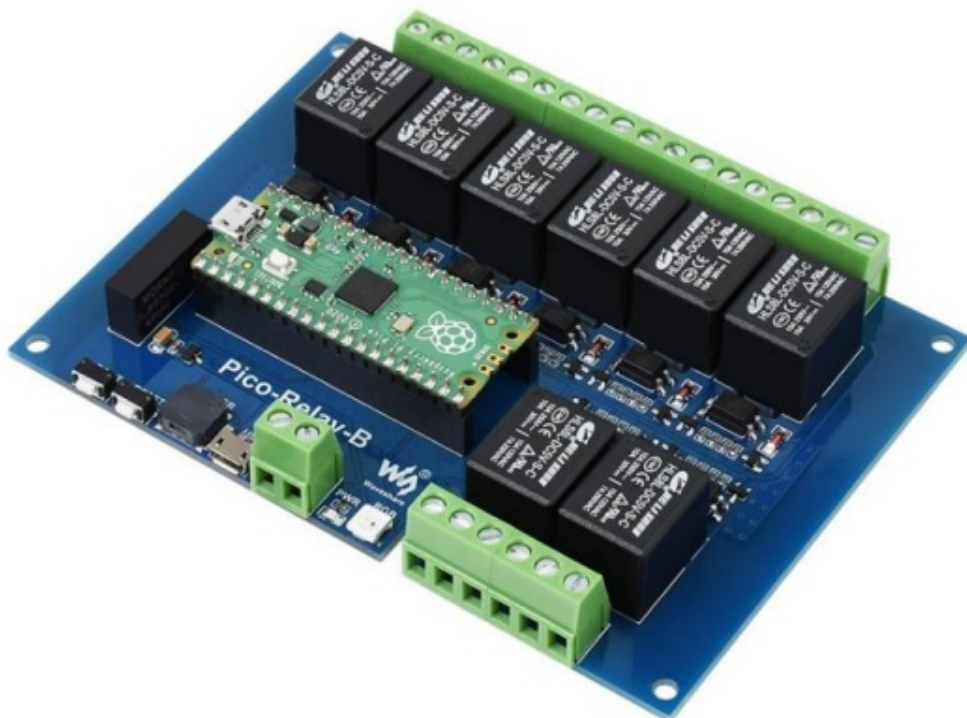
RaspberryPi

WAVESHARE WAV-20218 Industrial 8 Channel Relay Module for Raspberry Pi Pico



Raspberry Pi Pico Header Compatibility

Onboard Female Pin Header for Direct Attaching to Raspberry Pi Pico

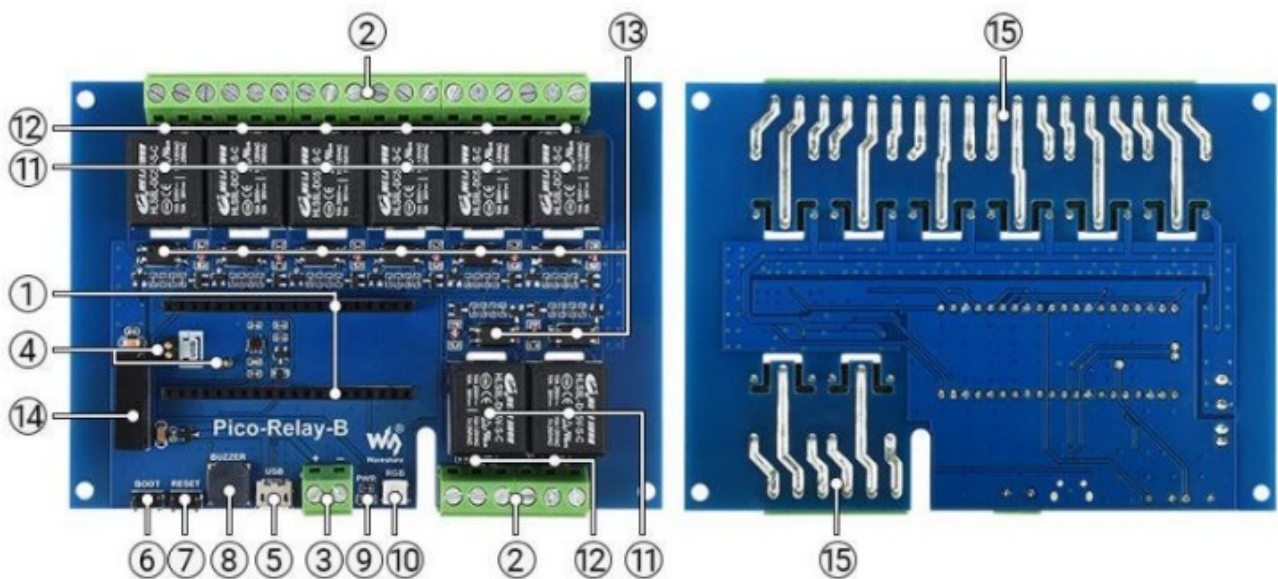


Enclosure Design

ABS Protection Enclosure with Rail-Mount Support, Easy to Install, Safe to Use



What's on Board




1. Raspberry Pi Pico header
2. Relay screw terminal for connecting external devices
3. Power supply screw terminal the multi relays are connected in parallel
4. Pogo pins
5. USB communication port connected via pogo pins
6. BOOT key connected via pogo pins
7. Reset key Pico reset
8. Passive buzzer controllable sound frequency
9. Power indicator
10. WS2812 RGB LED, cool!
11. 8-channel quality relays contact rating per channel: s10A 250V AC or s10A 30V DC
12. Relay operating indicator
13. Photocoupler isolation prevent interference from external high-voltage circuit connected to the relay
14. Power supply isolation provides stable isolated voltage, needs no extra power supply for the isolated terminal
15. Thickened tracks allows large current device

Pinout Definition

GP0	1	40	VBUS	VSYS	Power supply
GP1	2	39	VSYS	GND	Ground
GND	3	38	GND	GP6	BUZZER
GP2	4	37	3V3_EN	GP13	RGB
GP3	5	36	3V3(OUT)	GP14	CH8
GP4	6	35	ADC_VREF	GP15	CH7
GP5	7	34	GP28	GP16	CH6
GND	8	33	GND	GP17	CH5
GP6	9	32	GP27	GP18	CH4
GP7	10	31	GP26	GP19	CH3
GP8	11	30	RUN	GP20	CH2
GP9	12	29	GP22	GP21	CH1
GND	13	28	GND		
GP10	14	27	GP21		
GP11	15	26	GP20		
GP12	16	25	GP19		
GP13	17	24	GP18		
GND	18	23	GND		
GP14	19	22	GP17		
GP15	20	21	GP16		

Documents / Resources



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WAV-20218, Industrial 8 Channel Relay Module for Raspberry Pi ico, WAV-20218 Industrial 8 Channel Relay Module for Raspberry Pi ico, WAV-20218 Industrial 8 Channel Relay Module, Industrial 8 Channel Relay Module, 8 Channel Relay Module, Relay Module, Module