

# huEer huVVer ESP32-MK1 Reference (Bottom)

#### STANDARD PIN DEFINITIONS

const uint8 t OC1=4, OC2=2, BM1=14, BM2=12, AM1=26, AM2=27, BX1=34, BX2=35, AX1=36, AX2=39;

const uint8 t RX2=16, OC3=15, CX1=25, TX2=17, K1=4, K2=2, LED1=15,

const uint8 t RTS=13, CS=5, CANRX=32, CANTX=33, RS485TX=32, RS485RX=33;

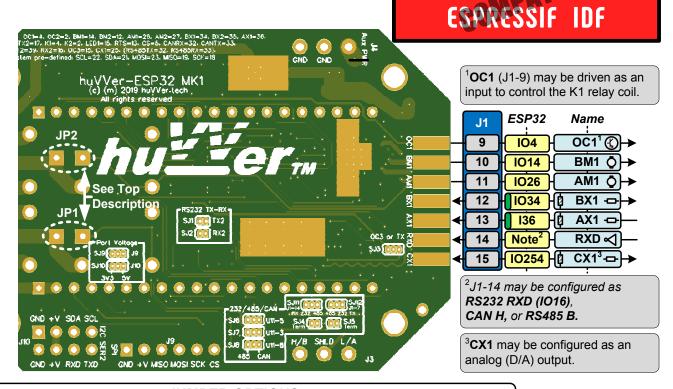
System Predefined: const uint8 t SCL=22, SDA=21, MOSI=23, MISO=19, SCK=18;

## AM1&2, BM1&2 Motor Driver Outputs

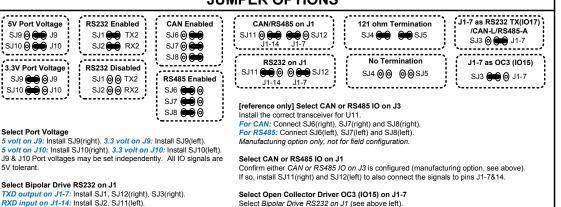
Continuous Current: 1A each. Peak Current: 2A each (internally limited).

## **PINOUT LEGEND**

- Open Collector Relay Driver Output
- 14 V Motor Driver Output
- Fixed Series Resistor 560 ohms
- Fixed Series Resistor 100 ohms
- Fixed pullup Resistor 10.2 kohms
- Fixed pullup Resistor 3.3 kohms
- Fused Power (8-16 volt)
- Normally open relay contact
- Normally closed relay contact
- ✓ RS232 Buffer



### **JUMPER OPTIONS**



Install S.I3(left)

Allows receive-only RS232 on J1-14.

Select Line Termination for CAN or RS485 Install SJ4 and SJ5 for 121 ohm termination at endpoints. Leave unconnected for nodes.

CAN WiFi • В٦ • USB • Motor lacktrianRelay 0 • SSR 0 0 0

**VERSIONS** 

Mode

RS232

**RS485** 

Version

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Arduing IDE

Included

SPI

I2C

Serial

Field Upgradable

Aux PWR o o o

Select TTL Drive Serial or GPIO on J10

TXD output or IO17 on J10-8: Omit SJ1.

RXD input or IO16 on J10-6: Omit SJ2.

J1 RS232 is disabled in this mode