

# Gen 1, 2 and 3 Jedge install with no BRX power switch lockout switch – with Amazon MP1584EN voltage regulator

## Gen 2 and 3

JST plug J4 mates with "PWR" JST connector on BRX board next to BRX power switch  
Pin 2 is "lower" pin – closest to bottom edge of BRX board.

regulator enable wire is soldered to left-hand pad – exposed when surface-mount resistor is removed from regulator (see photo)

Amazon MP1584EN  
Remove resistor (see photo)

Adjust output of regulator for 3.3 volts BEFORE connecting to ESP32

Alternate power connections for regulator input: Pin 1 of "PWR" JST (battery positive) to VIN+, "lower" pin of "5 volts" JST (battery ground) to VIN–

If ESP32 board has an EN input, It must be grounded BEFORE applying 3.3 volts to 3.3 volt power input

Caution: Separate J6 from J7 BEFORE connecting USB to ESP32.

BRX Power Switch

Battery Disconnect

1N4148 diode is for Gen 3 only observe polarity

BRX Ground

BRX Battery

Tx Rx  
(See photo)

BRX Bluetooth Module

## Gen 1

regulator enable wire is soldered to left-hand pad – exposed when surface-mount resistor is removed from regulator (see photo)

Amazon MP1584EN  
Remove resistor (see photo)

Adjust output of regulator for 3.3 volts BEFORE connecting to ESP32

If ESP32 board has an EN input, It must be grounded BEFORE applying 3.3 volts to 3.3 volt power input

Caution: Separate J12 from J13 BEFORE connecting USB to ESP32.

ESP32

3.3 volts  
GND  
IO17  
IO16

Tx Rx  
(See photo)

BRX Bluetooth Module

Regulator enable wire is soldered to middle pad of BRX power switch on underside of BRX board (see photo)

BRX Power Switch

BRX Ground

Battery Disconnect

BRX Battery

Sheet: /

File: Austin.sch

Title: BRX Gen 1,2,3 Jedge install with MP1584EN voltage regulator

Size: A4

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