**MicroMod ESP32 Processor Board**

**WRL-16781**

### Power
- Operating: 2.7 to 3.6V
- 500uA sleep current (hibernation)
- Maximum current: 3.3V

### ESP32
- Dual-core Tensilica LX6 microprocessor
- Clock frequency: Up to 240MHz
- 520KB internal SRAM
- 16MB Flash Storage

### Wireless
- Integrated 802.11 B/G/N WiFi transceiver
- Integrated dual-mode Bluetooth (classic and BLE)

### LED
- Stat (D2): Blue

### Dedicated GPIO
- A0 - ESP32 pin 34, MicroMod pad 34 (Input Only!)
- A1 - ESP32 pin 35, MicroMod pad 38 (Input Only)
- D0 - ESP32 pin 14, MicroMod pad 10
- D1 - ESP32 pin 27, MicroMod pad 18
- PWM0 - ESP32 pin 13, MicroMod pad 32
- PWM1 - ESP32 pin 12, MicroMod pad 47
- Primary SPI - ESP32 Pins 5/18/23/19, MicroMod Pins 55/57/59/61
- Primary I²C - ESP32 Pins 21/22, MicroMod Pins 12/14
- I²C Interrupt - ESP32 Pin 4, MicroMod Pin 16

### General Purpose/Shared GPIO
- G0 - GPIO pin 15, MicroMod pad 40
- G1 - GPIO pin 25, MicroMod pad 42 - Shared with I2S bus and secondary I²C bus.
- G2 - GPIO pin 26, MicroMod pad 44 - Shared with I2S bus and secondary I²C bus.
- G3 - GPIO pin 17, MicroMod pad 46 - Shared with I2S bus and secondary UART.
- G4 - GPIO pin 16, MicroMod pad 48 - Shared with I2S bus and secondary UART.
- G5 - GPIO pin 32, MicroMod pad 73 - Shared with 32KHz RTC crystal.
- G6 - GPIO pin 33, MicroMod pad 71 - Shared with 32KHz RTC crystal.

### Digital Pin
- ADC
- PWM
- Serial UART
- I²C
- SPI
- CAN
- USB
- SWD
- Audio
- Camera
- General/Bus

### SDIO
- Arduino