

## Product Change Notice (PCN)

---

September 16, 2022

### Espressif ESP-WROOM-32 WiFi+BT

Due to obsolescence, the Espressif ESP-WROOM-32 WiFi+BT assembly is being replaced by the AI Thinker ESP32-S on the Digilent Pmod ESP32. Starting with the serial number listed below either of the two parts can be used at will and without advance notification, depending on supply constraints.

The ESP32-S is functionally equivalent to the ESP-WROOM-32 as the transceiver chip inside is the same die, different package: ESP32-D0W(DQ5) vs. ESP32-D0WDQ6. The enclosing mechanical dimensions are the same with minor differences in the shield shape. The firmware programmed during manufacturing remains the same.

Pull-down resistance on net IO0 (R9) is lowered to 1K from 2K. This signal is exposed only on header J2, not on the Pmod connector.

No changes to customer application software are expected to be needed.

### Affected Products

Product Name	SKU	PCA Revision	Serial Number Ranges
Pmod ESP32	410-377	A.1	From DB47A3B onwards