



ATOLL AT1020 – EVB V2

Bluetooth Low Energy

Target Applications

Bluetooth Low Energy Technology:

- HID: keyboards, mice, touchpad, advanced remote controls with voice activation
- Sports and fitness sensors: heart rate, runner/cycle speed and cadence
- Health sensors: blood pressure, thermometer and glucose meters
- Mobile accessories: watches, proximity tags, alert tags, environmental sensors and camera controls
- Smart home: heating, switching and lighting control
- Wire replacement applications

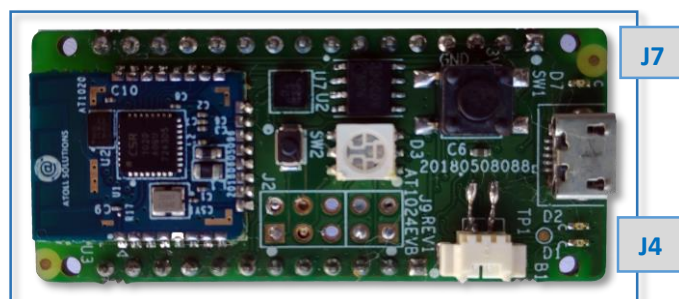
Qualcomm® Mesh Connectivity:
Internet of Things control

EVB Peripherals

- Up to 11 Programmable general-purpose PIO controllers
- 10-bit ADC & 1 analogue AIO
- 5 PWM modules with 3D shutter control
- SPI interface
- I2C controller
- UART interface
- Digital microphone, I2S port for PCM I/O & G.722 Codec

Overview

Atoll AT1020 Evaluation Board (EVB) is a simple board for customers to evaluate Atoll's AT1020-256 BLE module. AT1020-256 is Atoll's module with Qualcomm CSR1020 Bluetooth Low Energy SoC. This EVB brings out all important pins in compact "Adafruit Feather" form factor.



Pin #	Pin Description
J7.1	ENA
J7.2	VCC_3V3D
J7.3	NC
J7.4	GND
J7.5	PIO_14
J7.6	PIO_10
J7.7	NC
J7.8	NC
J7.9	SPI_PIO/SE
J7.10	DEBUG_SPI_CSB/PIO_1
J7.11	DEBUG_SPI_CLK/PIO_0
J7.12	DEBUG_SPI_MOSI/PIO_2
J7.13	DEBUG_SPI_MISO/PIO_3
J7.14	UART_TX/PIO_8
J7.15	UART_RX/PIO_9
J7.16	GND

Pin #	Description
J4.1	VBAT
J4.2	ENA
J4.3	VCC_USB
J4.4	NC
J4.5	NC
J4.6	NC
J4.7	NC
J4.8	AIO
J4.9	NC
J4.10	I2S_WS/PIO_13
J4.11	SCL/PIO_12
J4.12	SDA/PIO_11

Further Information

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