

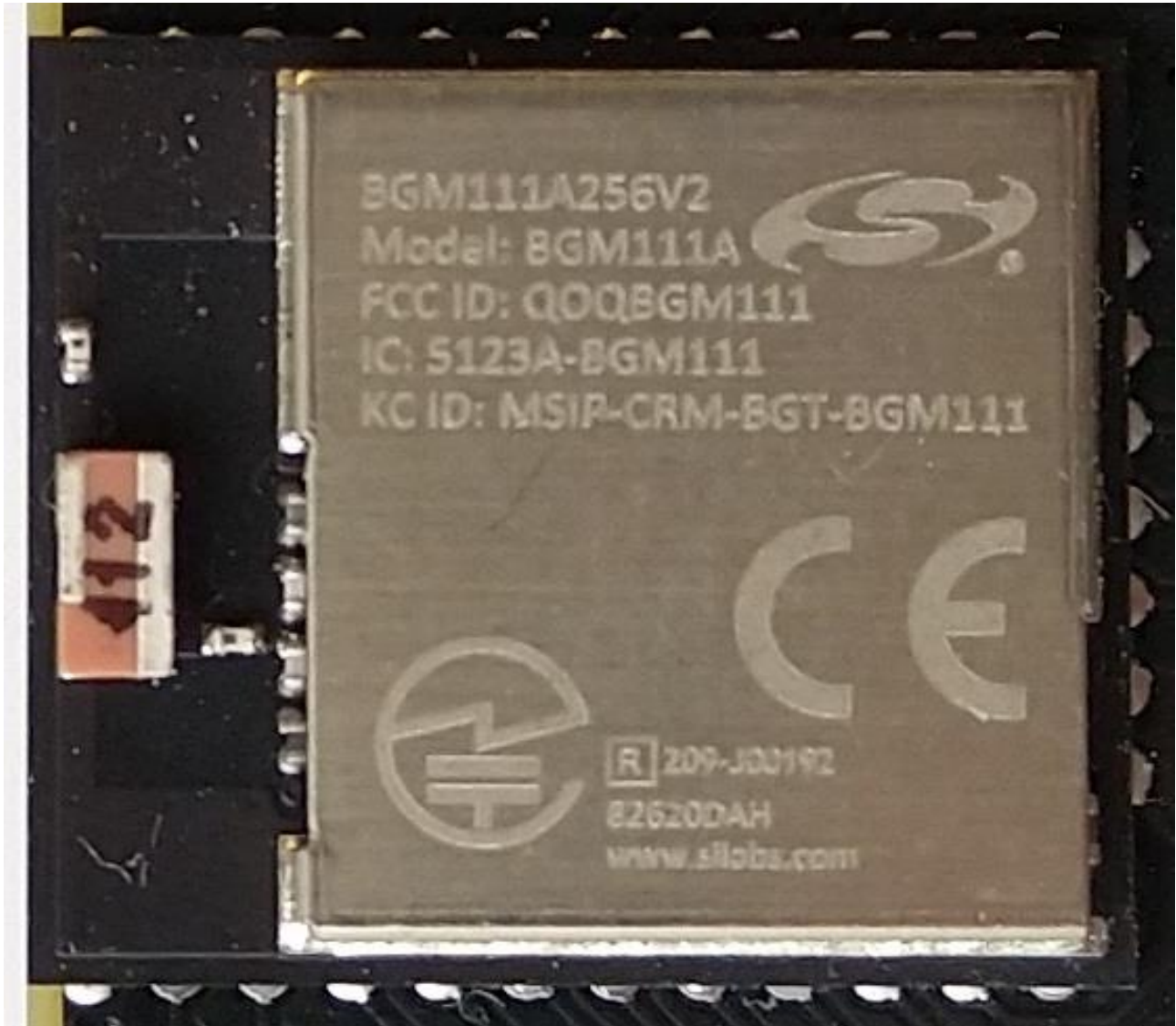
Technical specifications:

BGM111:

- Bluetooth Low Energy Module, compliant to spec 4.2 and above
- TX power: up to +8 dBm
- RX sensitivity: down to -93 dBm
- Range: up to 200 m
- Integrated antenna
- 32-bit ARM CPU, 256 kB flash memory, 32 kB RAM
- Integrated DC-DC converter
- Hardware interfaces (UART, SPI, I2C, ADC, DAC)
- Supply voltage: 1,8 - 3,8 VDC with DC/DC bypass mode, 2,4 - 3,8 VDC when using DC/DC
- 8,2 mA TX current at 0 dBm
- 7,5 mA RX current
- Temperature range: -40 to +85 °C
- Dimensions (W x L x H): 12,9 mm x 15,0 mm x 2,2 mm

MGM111:

- Zigbee/Thread
- TX power: up to +10 dBm
- RX sensitivity: down to -99 dBm
- Range: up to 200 m
- Integrated antenna
- 32-bit ARM CPU, 256 kB flash memory, 32 kB RAM
- Integrated DC-DC converter
- Hardware interfaces (UART, SPI, I2C, ADC, DAC)
- Supply voltage: 1,8 - 3,8 VDC with DC/DC bypass mode, 2,4 - 3,8 VDC when using DC/DC
- 8,2 mA TX current at 0 dBm
- 9,8 mA RX current
- Temperature range: -40 to +85 °C
- Dimensions (W x L x H): 12,9 mm x 15,0 mm x 2,2 mm

Example photographs of representative samples:**Figure 1 BGM111 top**

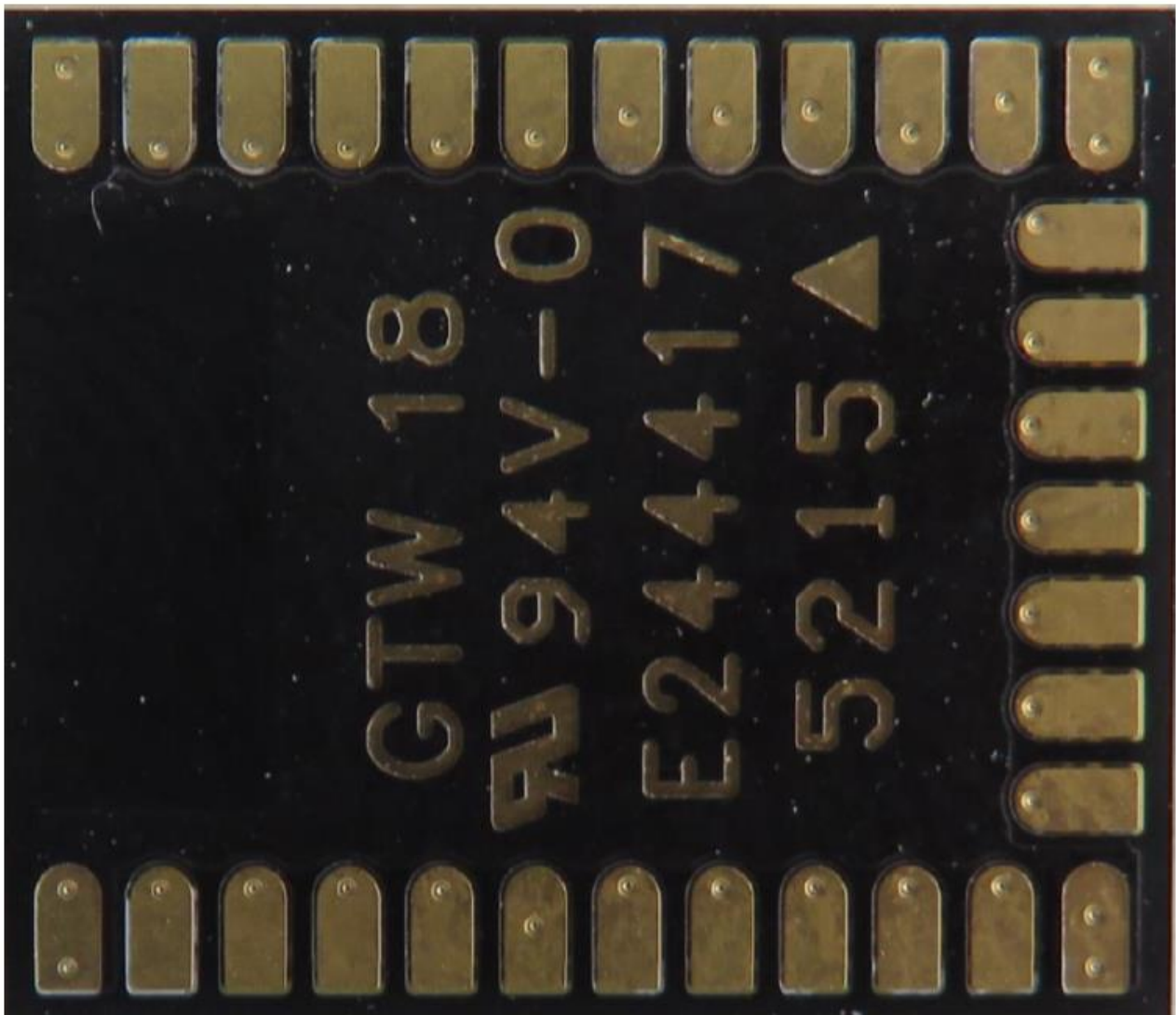


Figure 2 BGM111 bottom

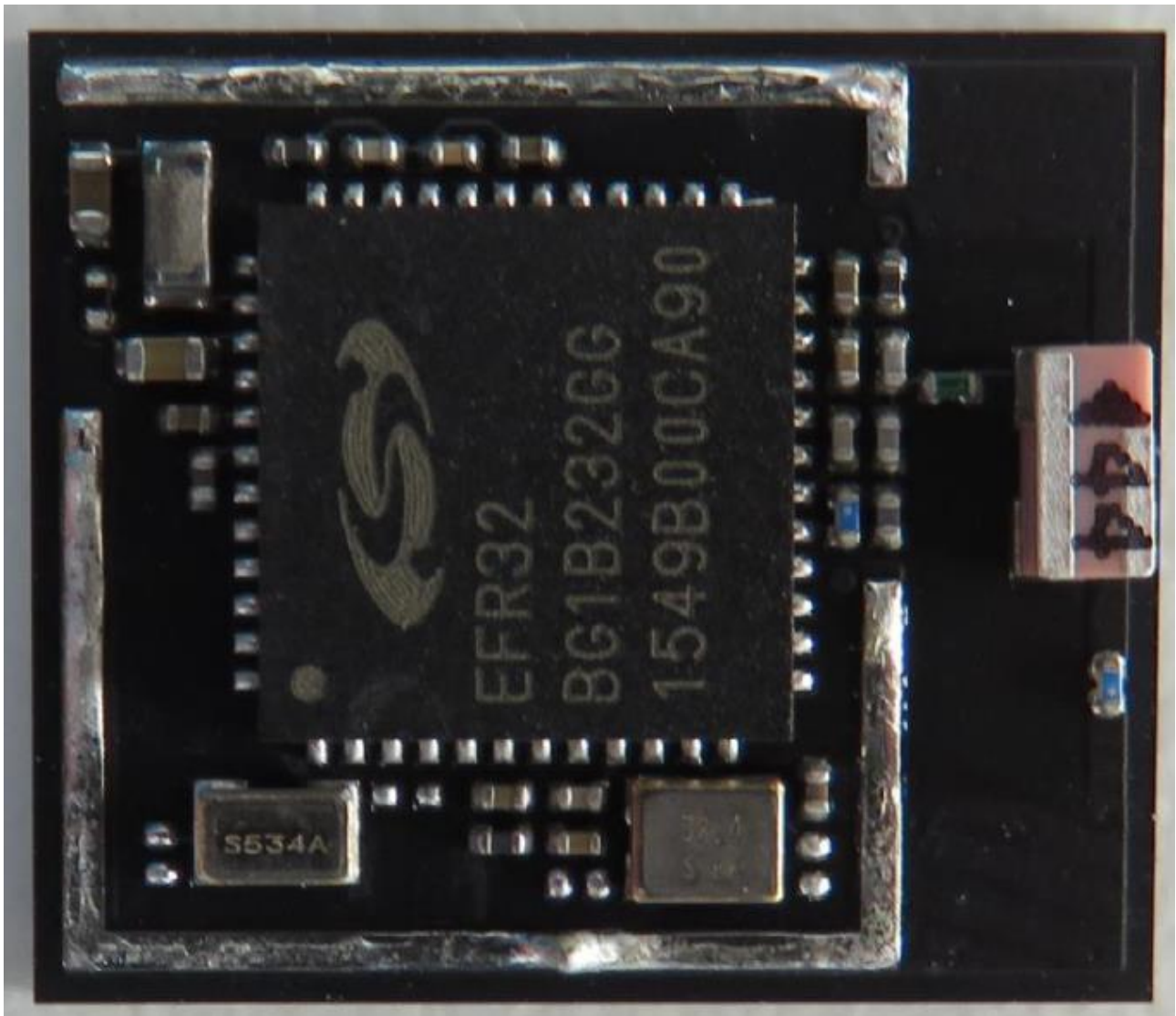


Figure 3 BGM111 internal