

Bluetooth™ Module WML-C11

Telecommunication component

OUTLINE

Wireless communication module conforming to Bluetooth™ Ver. 1.1.

Notebook PCs, PC Peripherals, PDA, Access point.

*The "Bluetooth" trademarks are owned by Telefonaktiebolaget LM Ericsson, Sweden.



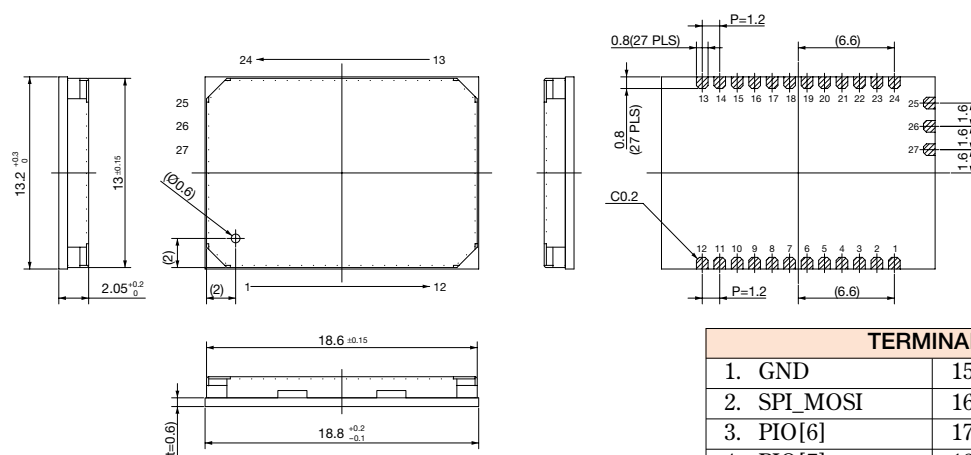
FEATURES

1. Reducing the size and thickness greatly due to the high-density surface mounting technology.
2. Long-distance communication due to its high sensitivity.
3. UART, USB and PCM interfaces available to various applications.
4. Conforms to FCC, CE and the EMI standard of each country.
5. Conforming to Bluetooth™ Class1.
6. Operating temperature range : - 40~+70°C.
7. Two types of models: With/without an antenna are provided.

SPECIFICATIONS

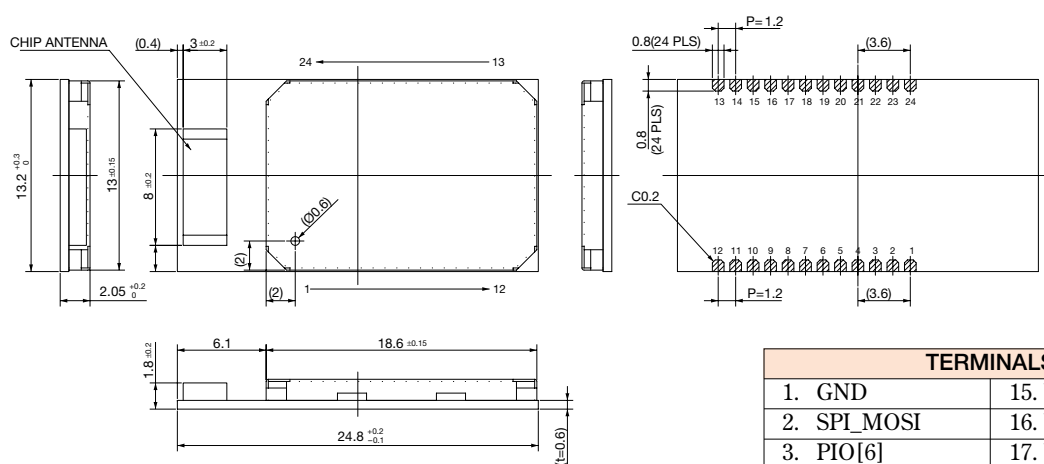
Item		Specifications
Frequency		2402 ~ 2480MHz
Modulation		FHSS/GFSK
Channel intervals		1MHz
Number of channels		79CH
Power supply voltage		3.3V(3.2V~3.4V)
Current consumption		200mA max.
Transmission rate		721kbps
Receive sensitivity		-80dBm typ.
Output level(Class1)		20dBm max.
Dimensions	Without an antenna	13.2(W)×18.8(L)×2.05(H)mm
	With an antenna	13.2(W)×24.8(L)×2.05(H)mm

DIMENSIONS



TERMINALS

1. GND	15. UART_RTS
2. SPI_MOSI	16. UART_CTS
3. PIO[6]	17. USB_D+
4. PIO[7]	18. USB_D-
5. RESET	19. PIO[2]/USB_PULL_UP
6. SPI_CLK	20. PIO[3]/USB_RESUME
7. PCM_CLK	21. PIO[5]
8. PCM_SYNC	22. PIO[4]
9. PCM_IN	23. SPI_CSB
10. PCM_OUT	24. SPI_MISO
11. VDD	25. GND
12. GND	26. ANT
13. UART_RX	27. GND
14. UART_TX	



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Unit : mm