

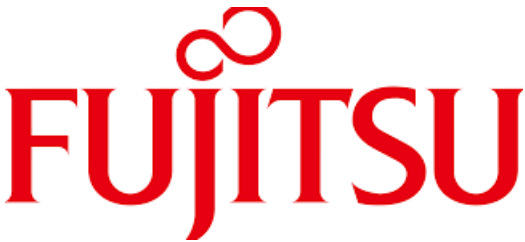


# FUJITSU FWM7BTZ61 Bluetooth Dual Mode Module Instructions

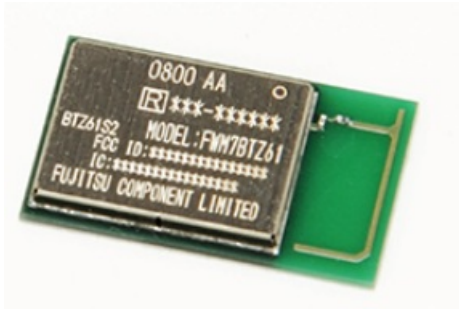
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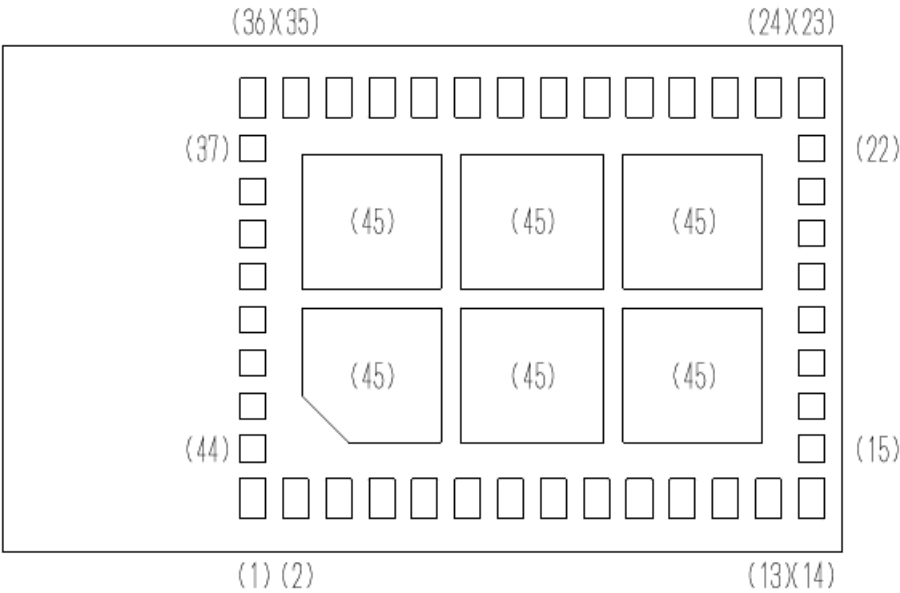
## FUJITSU FWM7BTZ61 Bluetooth Dual Mode Module



### Instruction

This is the Bluetooth® Dual mode module FWM7BTZ61  
The pin assignments and Function of this module are listed in the table. Mount the module according to the table

below.



<TOP View>

Pin name	No	I/O	Function	External Connection
GND	1	–	Ground	Ground
P13	2	I/O	I2C SCL	SCL pin of Auth 3.0 CP  with pull-up
P12	3	I/O	Programmable I/O	NC when not in use
P11	4	I/O	I2C SDA	SDA pin of Auth 3.0 CP  with pull-up
P9	5	I/O	Programmable I/O	NC when not in use
P14	6	I/O	Programmable I/O	NC when not in use
NC	7	–	NC	NC
NC	8	–	NC	NC

Pin name	No	I/O	Function	External Connection
P6	9	I/O	Programmable I/O	NC when not in use

P29	10	I/O	Programmable I/O	NC when not in use
P26	11	I/O	Programmable I/O	NC when not in use
P28	12	I/O	Programmable I/O	NC when not in use
P4	13	I/O	Programmable I/O	NC when not in use
GND	14	–	Ground	Ground
VBAT	15	–	Power supply	DC power supply
GND	16	–	Ground	Ground
PUART_TX	17	O	UART data output (For command / data communication)	UART Rx/D
PUART_RX	18	I	UART data input (For command / data communication)	UART Tx/D
PUART_RTS	19	O	UART Request To Send (For command / data communication)	UART CTS
PUART_CTS	20	I	UART Clear To Send (For command / data communication)	UART RTS

NC	21	–	NC	NC
RESET#	22	I	Reset input (Active Low)	RESET
GND	23	–	Ground	Ground
HUART_RX	24	I	UART data output (For HCI or Firmware writing)	NC (*1)
HUART_CTS	25	I	UART data input (For HCI or Firmware writing)	NC (*1)
HUART_RTS	26	O	UART Request To Send output (For HCI or Firmware writing)	NC (*1)
HUART_TX	27	O	UART Clear To Send input (For HCI or Firmware writing)	NC (*1)
GND	28	–	Ground	Ground
GND	29	–	Ground	Ground

Pin name	No	I/O	Function	External Connection
GND	30	–	Ground	Ground

VDDIO	31	–	I/O Power supply	DC power supply
GND	32	–	Ground	Ground
NC	33	–	NC	NC
GND	34	–	Ground	Ground
NC	35	–	NC	NC
GND	36	–	Ground	Ground
NC	37	–	NC	NC
NC	38	–	NC	NC
NC	39	–	NC	NC
NC	40	–	NC	NC
NC	41	–	NC	NC
GND	42	–	Ground	Ground
GND	43	–	Ground	Ground
NC	44	–	NC	NC
GND	45	–	Ground	Ground

The HUART interface can be used as a firmware rewrite or as a test command interface during certification tests. If necessary, connect to test pins, connectors, microprocessors, etc.

## FCC

### **Note to users in the United States of America Caution:**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Applicable FCC rules

Part 15 Subpart C

This device complies with below part 15 of FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Following information must be indicated on the host device of this module. Contains Transmitter Module FCC ID: SQK-7BTZ61

or Contains FCC ID: SQK-7BTZ61

The modular transmitter is only FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant (Part 15 of the FCC rules), and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.

### **Note to users in the United States of America and Canada Note to users**

It is strictly forbidden to use antenna except designated.

This equipment must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that is deemed to comply without testing of specific absorption rate(SAR).

Following information must be indicated on the host device of this module. Contains IC: 337L-7BTZ61

### **European Community Compliance Statement Note:**

Hereby, Fujitsu component Limited, declares that this FWM7BTZ61 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.fcl.fujitsu.com/products/wireless-modules/information/red.html>

- Model: FWM7BTZ61
- Manufacturer: Fujitsu Component Limited
- Address: Shinagawa Seaside Park Tower, 12-4, Higashi-shinagawa 4-chome, Shinagawa-ku, Tokyo, 140-8586, Japan
- Importer: FUJITSU COMPONENTS EUROPE B.V.
- Address: Diamantlaan 25, 2132 WV Hoofddorp, The Netherlands

### **United Kingdom Compliance Statement Note:**

Hereby, Fujitsu Component Limited, declares that this FWM7BTZ61 is in compliance with the relevant statutory requirements.

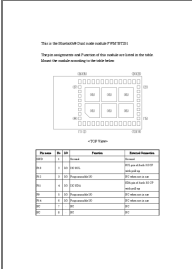
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Documents / Resources



[FUJITSU FWM7BTZ61 Bluetooth Dual Mode Module](#) [pdf] Instructions  
7BTZ61, SQK-7BTZ61, SQK7BTZ61, FWM7BTZ61 Bluetooth Dual Mode Module, Bluetooth Du  
al Mode Module, Dual Mode Module, Module

References

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