

## Coin Battery Board for Environment Sensing Board RIOT-001

NO.EEV-577-211118

### 1. Overview

The RIOT-C01 is an optional coin battery board for the RIOT-001, an environment sensing board. It is equipped with a battery holder for a CR2032-type coin battery.

By connecting the RIOT-C01 with the RIOT-001 through each connector, the RIOT-C01 can charge the secondary battery mounted on the RIOT-001, and the RIOT-001 can drive the environment sensing operation with a coin battery. The two boards can be screwed with each other (suitable screw size: M2x4mm).



Picture: Connection with the RIOT-001 (The lower board is the RIOT-C01.)

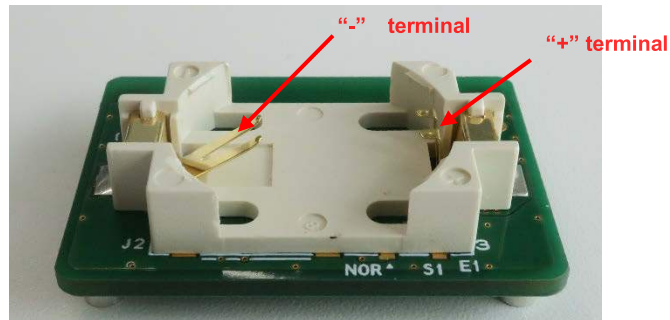
(\*1)Coin batteries are not included on this board.

### 2. Appearance

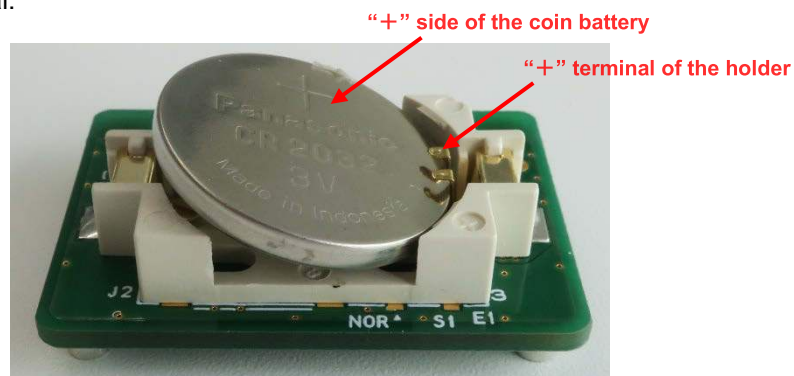
Surface	Back
<p style="color: red; text-align: center;">Connector for RIOT-001</p> <p style="color: red; text-align: center;">Screwing spacers with RIOT-001 (4 spacers on this board)</p>	<p style="color: red; text-align: center;">CR2032-type coin battery holder</p>

### 3. How to Attach a Coin Battery

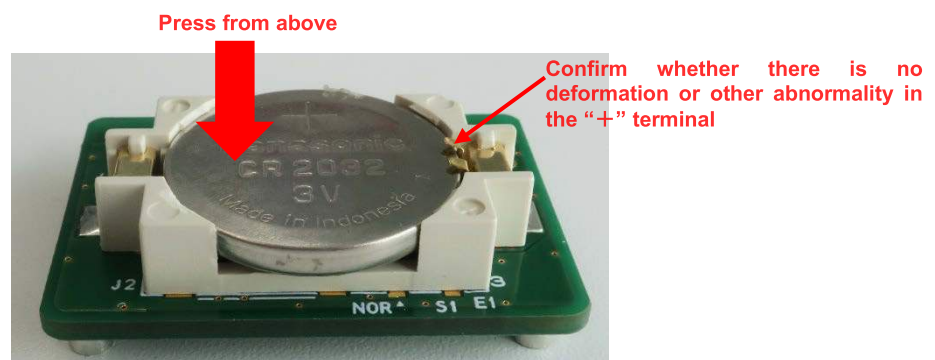
- ① Before attaching a coin battery, detach the RIOT-001 if it is connected. Check the position of the coin battery holder terminals.



- ② Insert a coin battery at a slant so as to make its “-” side touch the “-” terminal of the holder, and its “+” side the “+” terminal.



- ③ Adjust the battery position and press the coin battery.





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13. This product is a sample board for customers to understand our power management ICs. Safety, reliability, compatibility, etc., which are commonly required by final products for consumers or industries, are not considered in design, nor in sales, nor in manufacturing.  
Please note that we do not take any responsibility or liability for any damage or loss using the product for any final products for consumer or industry.
14. Customers shall be strictly prohibited to use the products in equipment or systems that require extreme level of quality and reliability, and of which malfunction or failure may cause loss of human life and/or bodily injury, e.g., equipment used in aerospace industry, nuclear reactor control systems, traffic control systems, automotive and transportation equipment, combustion equipment, safety devices, life support systems.
15. Customer shall not use the products under any of the conditions mentioned below. This may cause malfunction or defect.
  - in water
  - in high humidity
  - under oily environment
  - in corrosive atmosphere
  - under environment with corrosive gas or inflammable gas
  - under an extremely high or low temperature environment
  - under conditions of violent vibration
  - in the place that generates electrostatic charges and electrifies
  - in a place that exposed to direct sunlight
  - in a dusty placeAnti-radiation design is not implemented in the products described in this document.
16. Improper or unintended use or misuse may lead to loss of human life and bodily injury, firing and smoking, failure of the products and connected components, and damage to property or loss of social profits.
17. Sharp edge of components such as short plug may unavoidably appear. Customer shall handle the products with the utmost care and attention to avoid injury from the sharp edge.
18. To avoid electrostatic discharge failure, Customer shall not touch the metal portion of the connector with bare hands or fingers.  
Also, Customer shall remove static electricity of the human body before handling the products through touching something made of metal such as door handles. Customer shall turn off immediately when firing, smoking or abnormal heating occur during operation.
19. When connecting the products to other products, Customer shall not give excessive stress on the products. Customer shall not warp boards nor push forcefully the mounted components.
20. Customer shall not apply the supply voltage to the product if the surface of the board is wet or the product touches any metals.
21. The X-ray exposure can influence functions and characteristics of the products.
22. Do not turn on this product at the place where using wireless devices is prohibited, such as in airplanes, hospitals, near an implantable cardiac pacemaker or medical electrical equipment, etc.  
The radio wave generated from this product may interfere with those devices' operation.
23. This product may be affected by radio waves emitted from devices or equipment such as wireless LAN, BLE devices, digital cordless phones, microwave ovens, etc.
24. This product must not be incorporated nor used in a metallic cabinet. Also, do not use cabinets whose coating materials contain metal composition.
25. Our company warrants the products with exceptions as indicated below, to the original purchaser to be free of defects for a period of three months from the date of arrival. Within the warranty period, we will replace a defective product with a substitute. We assumes no liability for indirect, special or incidental damage or loss including loss of profits and consequential damage regardless of possibility of anticipation.



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