

ESD Notice as Changing The Battery

Description

In some Failure Analysis(FA) on the returned units from our customer, we've found some damage was caused by the Electrostatics Discharge(ESD). Hence we make this note for customers to avoid such damage happening.

ESD

Electrostatics Discharge happens when the relative humidity is low. In the room with air conditioning or in the cold weather, the humidity goes down to around 40% easily. In this kind of environment, the ESD becomes serious and has the potential to damage the electronics.

Our Protection

Our products are designed and verified by the ESD test criteria IEC61000-4-2, Level 2 (4KV, contact discharge) and IEC61000-4-2, Level 3(8KV, air discharge). So they will not be harmed by the ESD in normal usage.

Remove Electrostatics Before Changing The Battery

While changing batteries, the user has to open the bottom cover and touch the battery socket or the circuit board. At this moment, without the enclosure protection, the internal board is very sensitive to electrostatics. Before opening the bottom cover, the user has to make sure the proper procedure is executed to avoid any ESD damage to the unit.

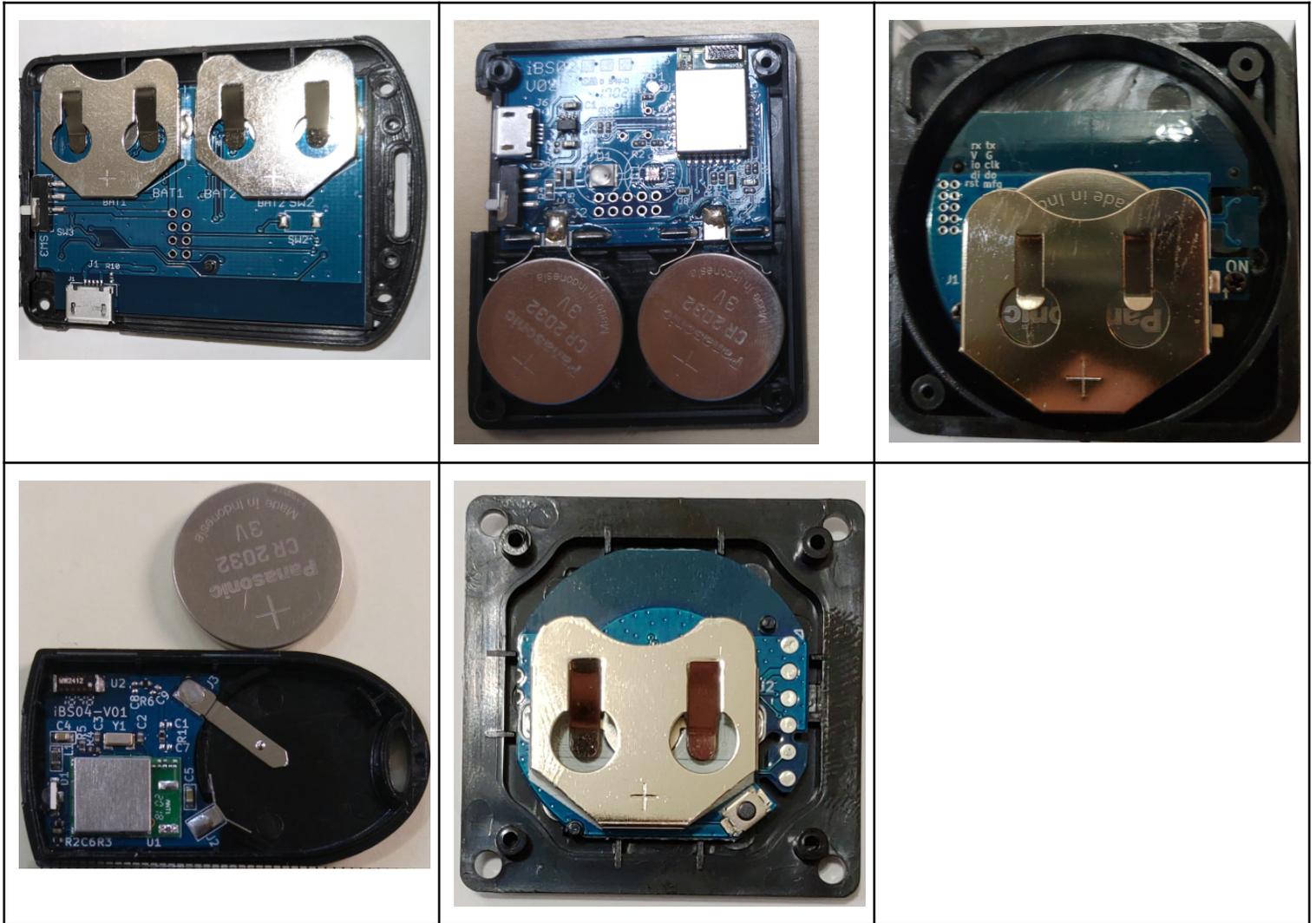


- a. Discharge before opening the cover. The discharge can be accomplished by putting a hand on a grounded metal object. (In practice, if you can't find a grounded object, a big mass of metal object is also helpful)
- b. Wearing a grounded wrist-strap

INGICS TECHNOLOGY

Models

This note applies to the iBS01, iBS02, iBS03, iBS04, and iBS05 series.



Revision History

DATE	REVISION	CHANGES
Aug 24, 2021	1	Initial release