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Pod V2 - Specific difference between REF and CG type

This memo outline the specific difference between the Pod V2 types:

- Pod V2 Reference – P/N: 20-8011-500-01
- Pod V2 Cut Guide – P/N: 20-8011-500-02

As shown by exhibit #12-Internal Photos in the Technical Dossier, the Pod V2 contains two printed circuit board assembly: a SEN31 Sensor Board and a UI31 Interface Board.

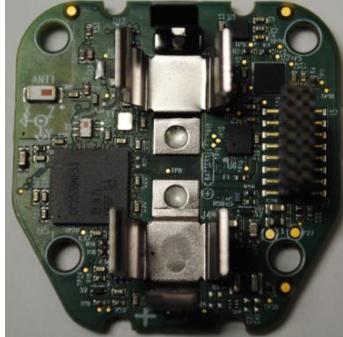
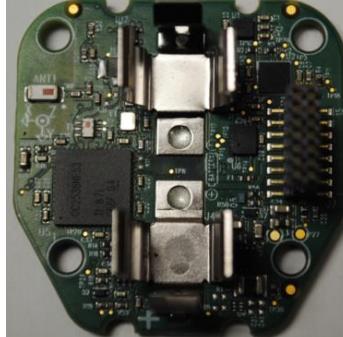
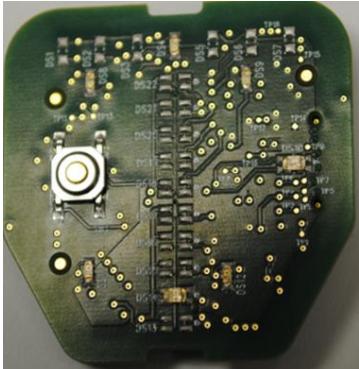
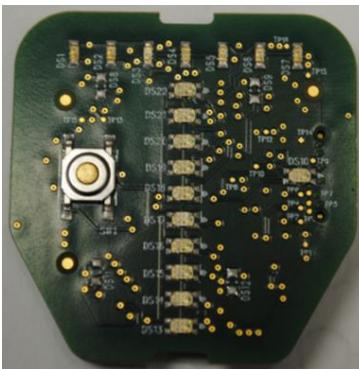
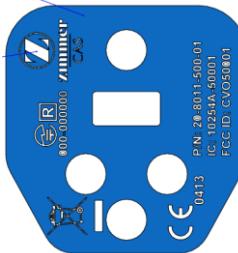
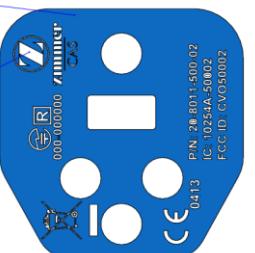
The SEN31 Sensor Board assembly is the same for both type. This board contains the RF circuit composed of the 802.15.4 transceiver, matching circuit and the antenna. (Refer to *410.053 revB* schematic)

The UI31 Interface Board bare PCB is the same between the Reference and Cut Guide type but the assembly is different. Depending on the type, a different LED pattern is assembled. (Refer to *400.054_C BOM, 400.055_C BOM and 410.053 revB* schematic)

The other differences between the Reference and Cut Guide type are the graphic overlay to match the LED pattern and the back sticker which contains the type Part Number (20-8011-500-01 or 20-8011-500-02). All other parts are the same between the two types.

See Table 1 for Pod V2 Reference and Pod V2 Cut Guide type comparison.

Table 1 Pod V2 type comparison - REF vs CG

Pod type	Pod V2 Reference 20-8011-500-01	Pod V2 Cut Guide 20-8011-500-02
Sensor PCB assembly	400.053 	400.053 
Sensor bare PCB	490.053	490.053
UI PCB assembly	400.054 (Reference LED pattern is populated) 	400.055 (Cut Guide LED pattern is populated) 
UI bare PCB	490.054	490.054
Graphic Overlay		
Back Sticker		

Signed:  **Jerome Casaubon** | I approve this document
25-Feb-2021 | 15:40:29 EST
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Printed name: Jérôme Casaubon

Title: Sr. Electronic Designer

Date: 25-Feb-2021

References:

Exhibit #8-***Schematic*** from the Technical Dossier:

- *SEN31 - 410.053 revB*
- *UI31 - 410.054 revC*

Exhibit #12-***Internal photos*** from the Technical Dossier:

- Pod V2 exploded view.PNG
- SEN31 PCBA picture.PNG
- UI31 PCBA picture.PNG

Exhibit #16-***Component List*** from the Technical Dossier:

- 20-8011-500-01 Pod V2 Ref RevA9 FOR JAPAN
- 20-8011-500-02 Pod V2 CG RevA9 FOR JAPAN
- 400.053_D BOM.pdf
- 400.054_C BOM.pdf
- 400.055_C BOM.pdf