



Nest 1 – Hornet IPG and Charger

Mechanical Design and Assembly Images

Page 1 of 4

Image 1 – Electronics assembly without hermetic components

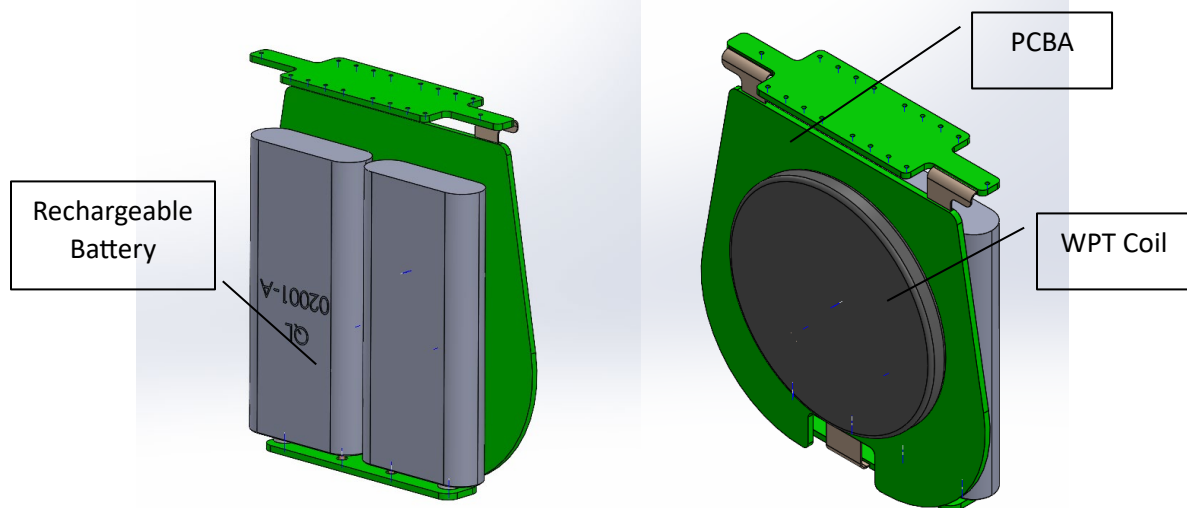


Image 2 – Nests

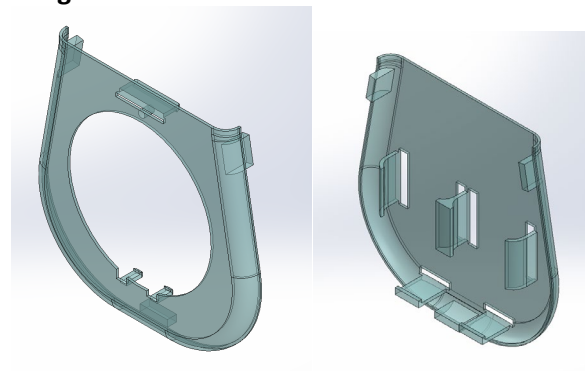


Image 3 – Titanium case halves and weld band

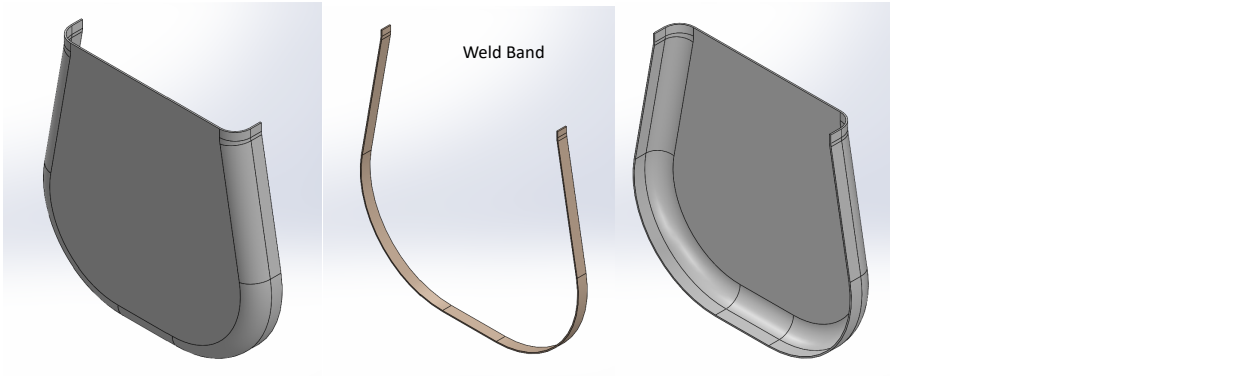


Image 4 – Lidthrough

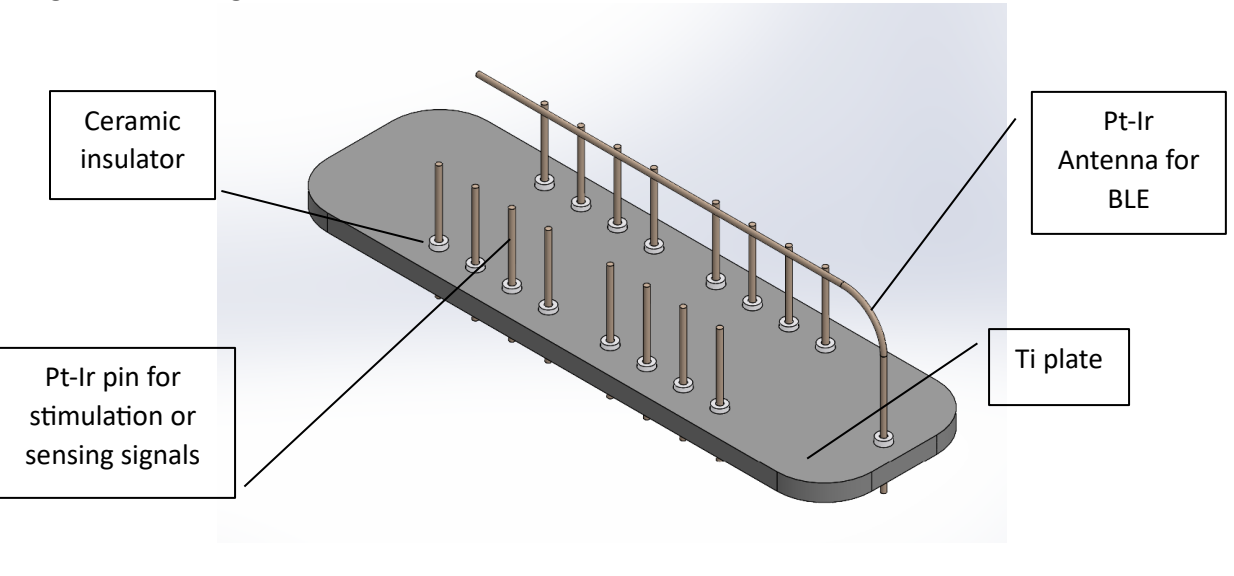


Image 5 – Electronics assembly with transparent Titanium Case and with connector blocks in a 4 contact arrangement using the Bal Seal Sygnus system with a connector block set screw arrangement for all 4 sets of contacts.

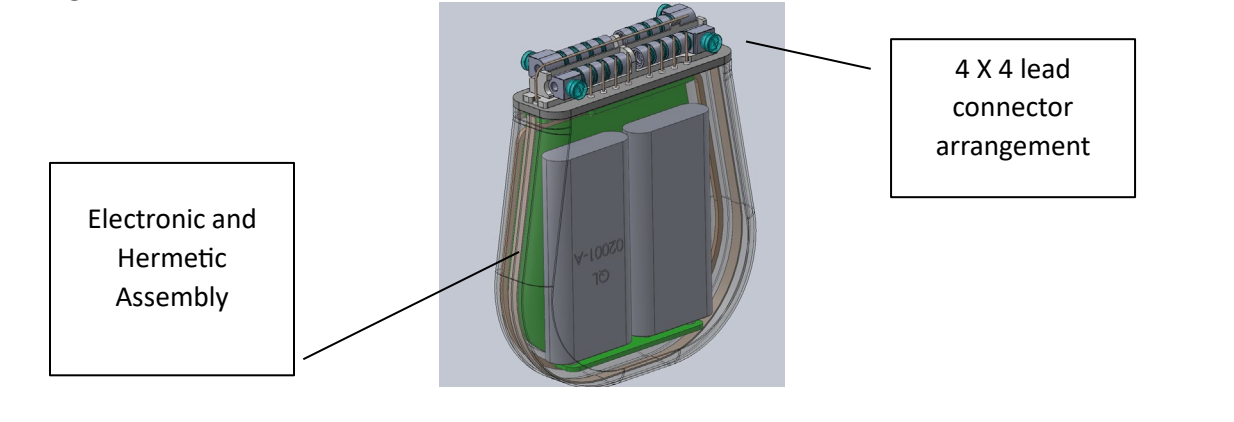


Image 6 – Full IPG Assembly

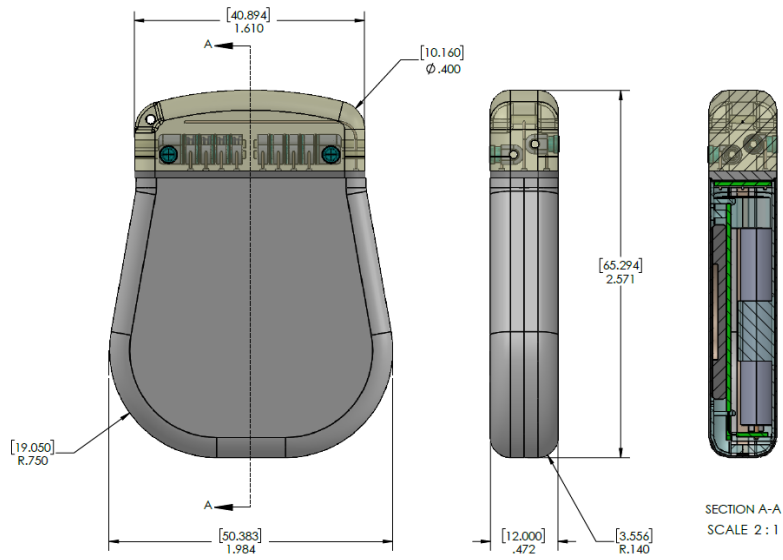
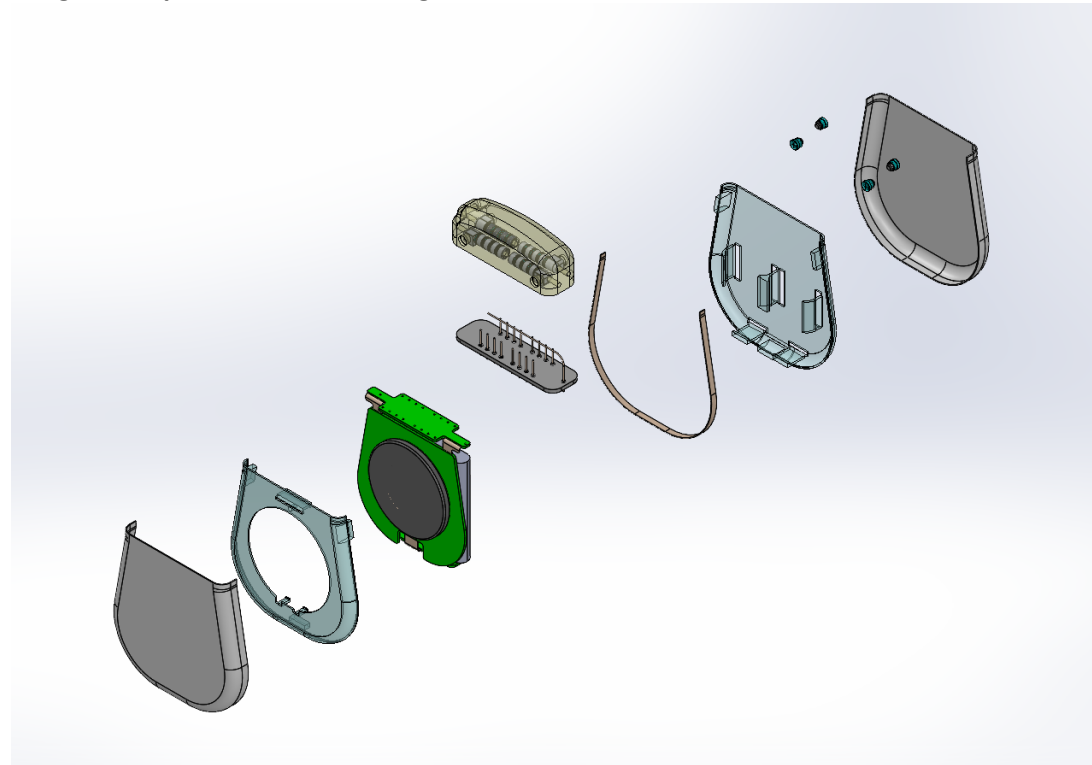


Image 7 – Exploded IPG BOM image



Technical drawing of a 12 MM HORNET DEVICE, showing three views: top, side, and bottom.

Top View Dimensions:

- Overall diameter: $\varnothing 5.935$
- Inner diameter: [150.748]
- Feature 1 (indicated by a circled 1): A small protrusion on the right side.

Side View Dimensions:

- Overall height: [67.056] 2.640
- Base height: [34.036] 1.340
- Top flange width: [70.741] 2.785
- Top flange radius: [98.905] R3.894
- Top flange thickness: [6.350] R.250
- Base thickness: [29.210] 1.150
- Base width: [12.700] .500
- Internal width: [32.512] 1.280

Bottom View Dimensions:

- Overall diameter: [110.236] 4.340
- Internal width: [32.512] 1.280

12 MM HORNET DEVICE