Nano-Timer Power Cycled Implementation

- Coin Cell Battery (CR2032)
- TPS61291 (DC-DC Boost)
- TPS5111 (Nano-power system timer)
- TPS22860 (Ultra-low leakage load switch)
- HDC2010 (Humidity & Temp.)
- CC1310 (ARM + Sub-1 GHz)

Sensor-to-Cloud Implementation

- Coin Cell Battery (CR2032)
- CC1310 (ARM + Sub-1 GHz)
- HDC2010 (Humidity & Temp.)

Revision History

- Revision: A
  - Notes: Initial Board Release
- Revision: B
  - Notes: Updated wireless MCU passive part numbers.
Battery Connector & Reservoir Capacitors

Boost DC-DC to 3.3V

Enable TIDA-00484 Functionality

Analog Switch for Power Shutoff

Nano-Power System Timer

Bypass Jumper for Debugging

Notes:

Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.
Humidity & Temperature Sensing Node for Sub-1 GHz Star Networks Enabling 10+ Year Coin Cell Battery Life

PCB Number: TIDA-01477
PCB Rev: B

Label Table

<table>
<thead>
<tr>
<th>Variant</th>
<th>Label Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>Default Build</td>
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</table>

Assembly Notes:

ZZ1
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ2
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ3
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

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