

TAS2564 Performance Validation

Applications Engineering – Low Power Audio & Actuators

THD+N vs Pout

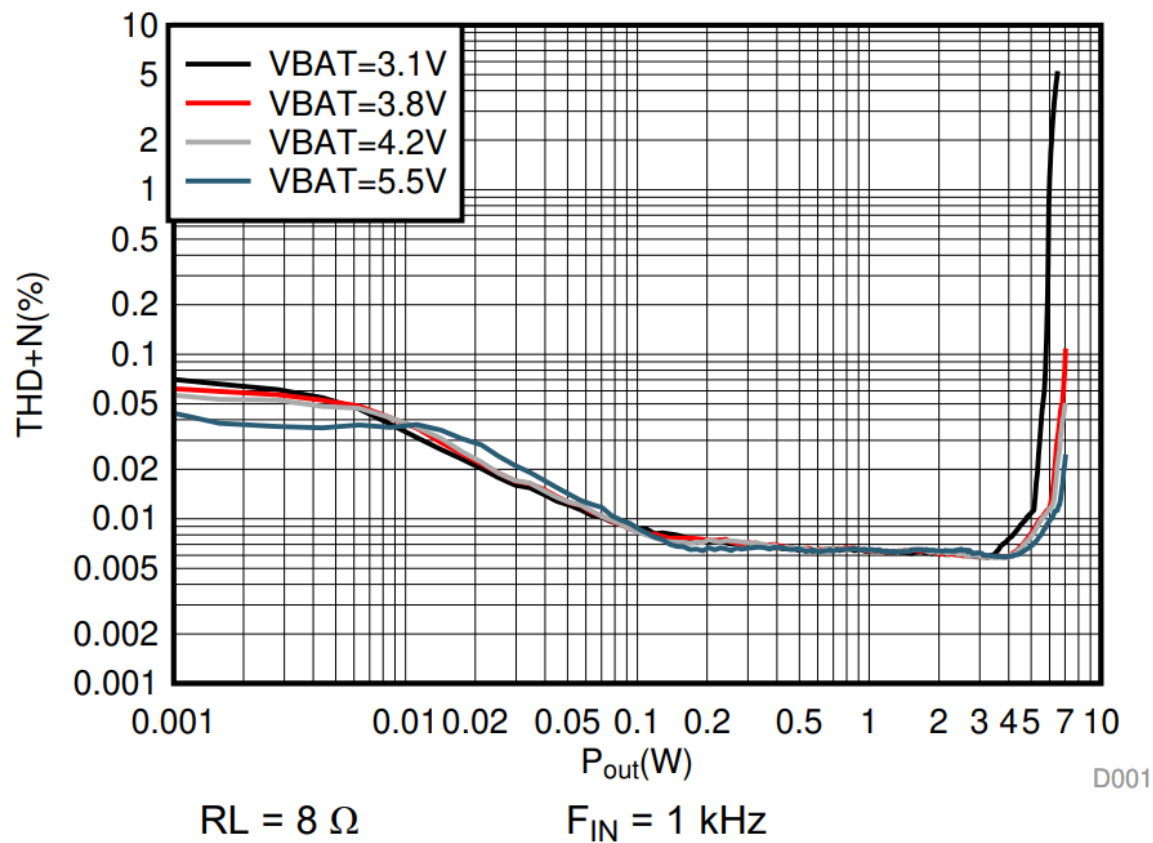
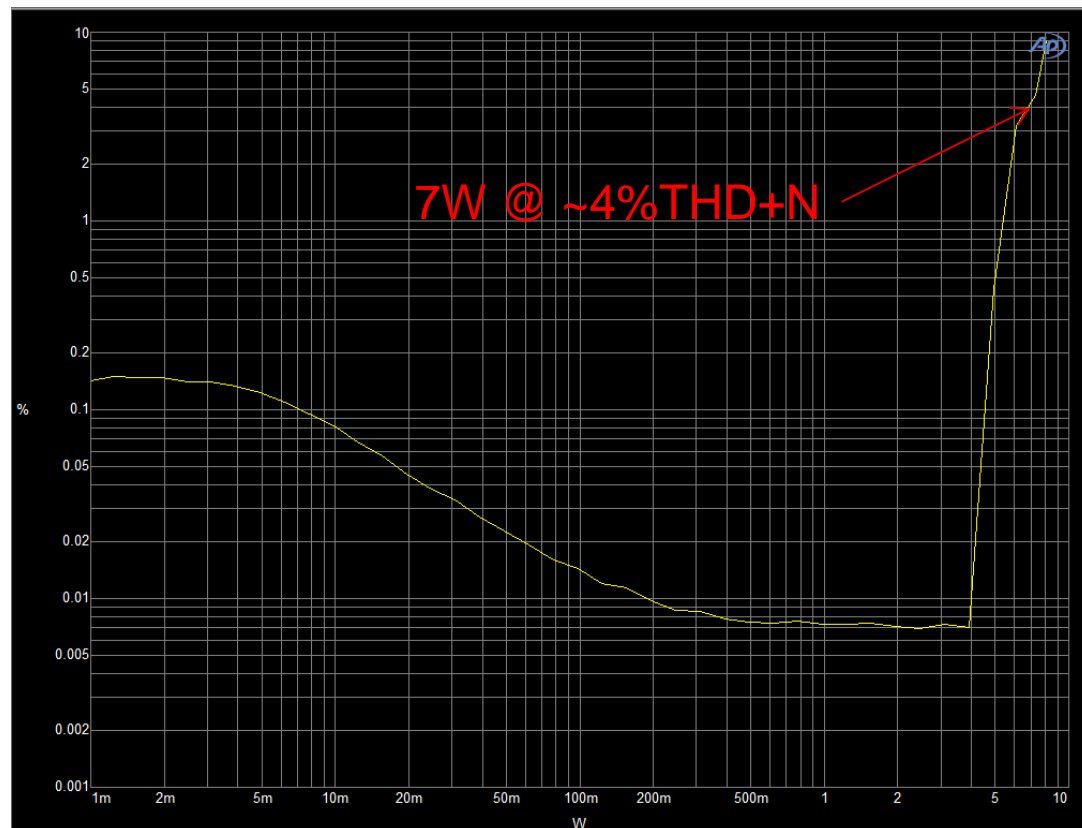


Figure 3. THD+N vs Output Power

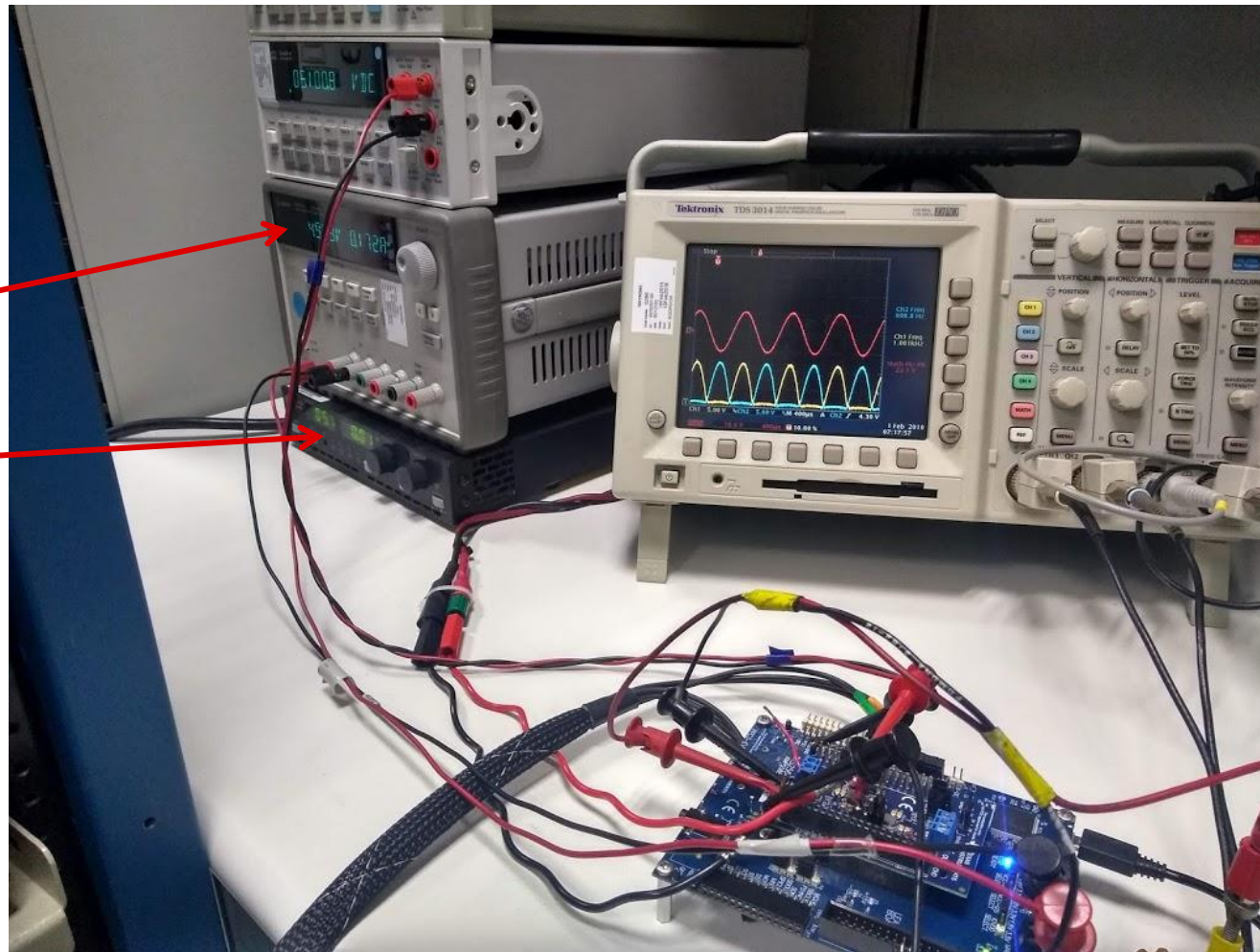
VBAT = 3.4V



Hardware Setup

5V supply for
Motherboard

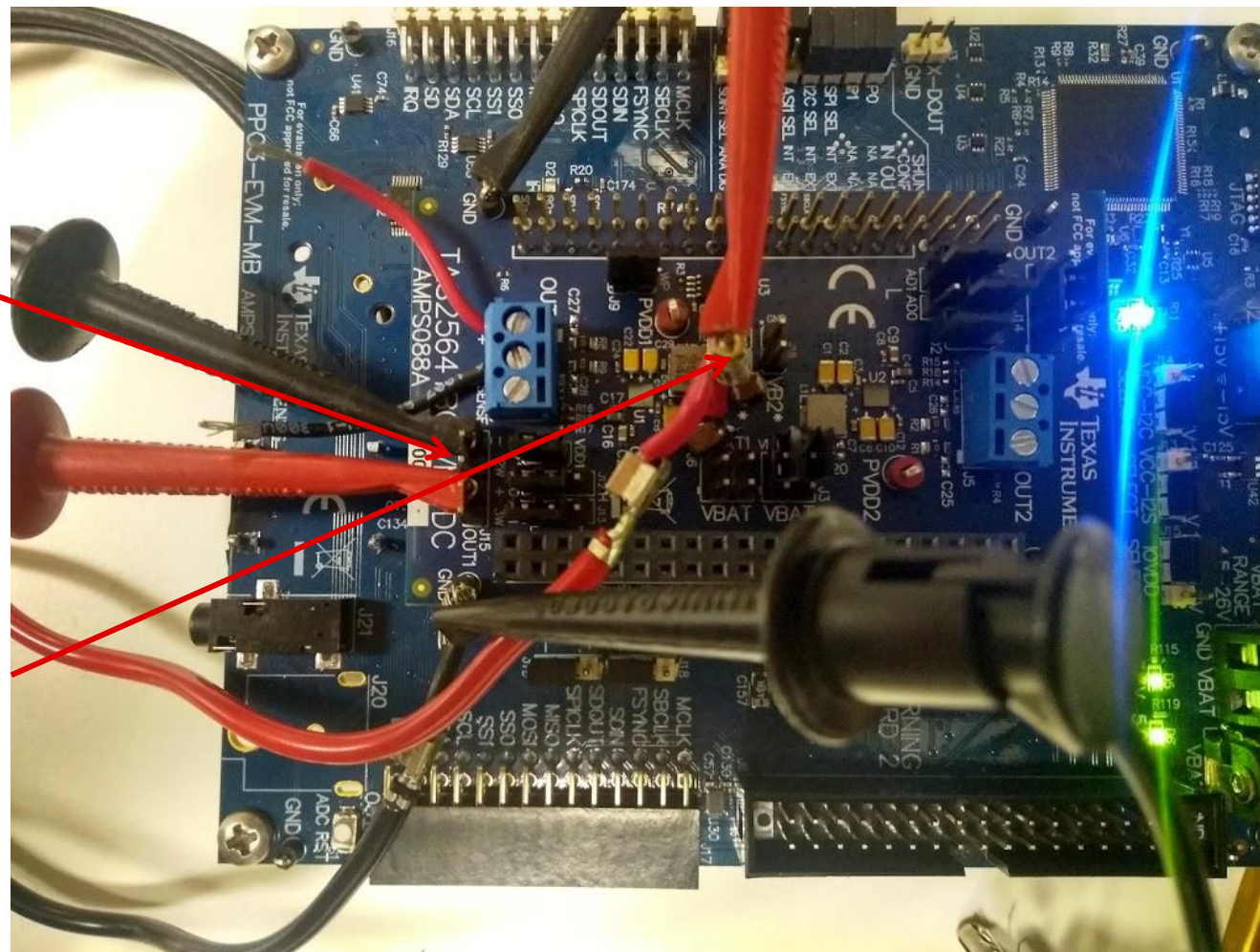
3.4V supply for
VBAT



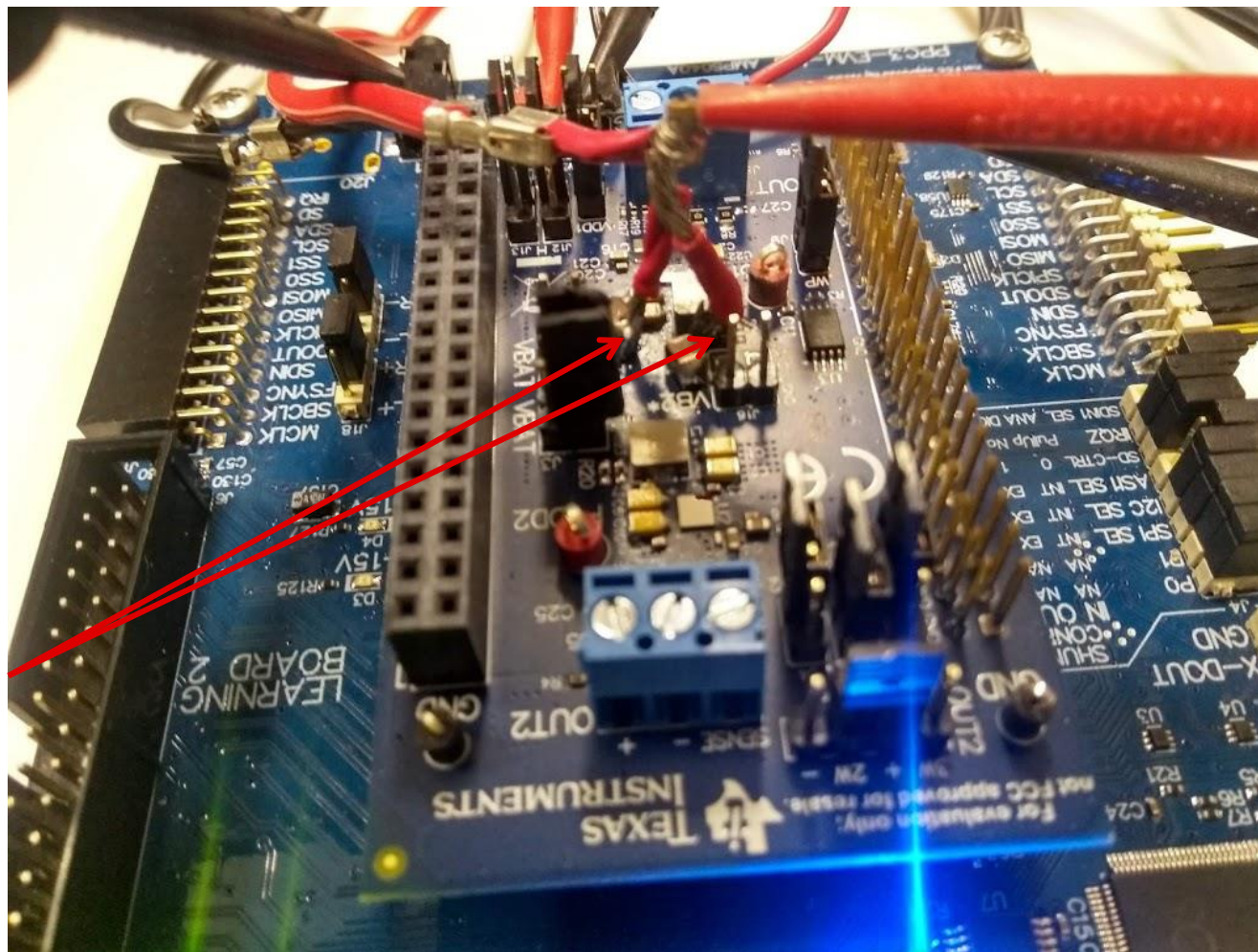
Hardware Setup

Speaker Connection

Star Connection to VBAT supply for Boost Inductor and VBAT plane



Hardware Setup

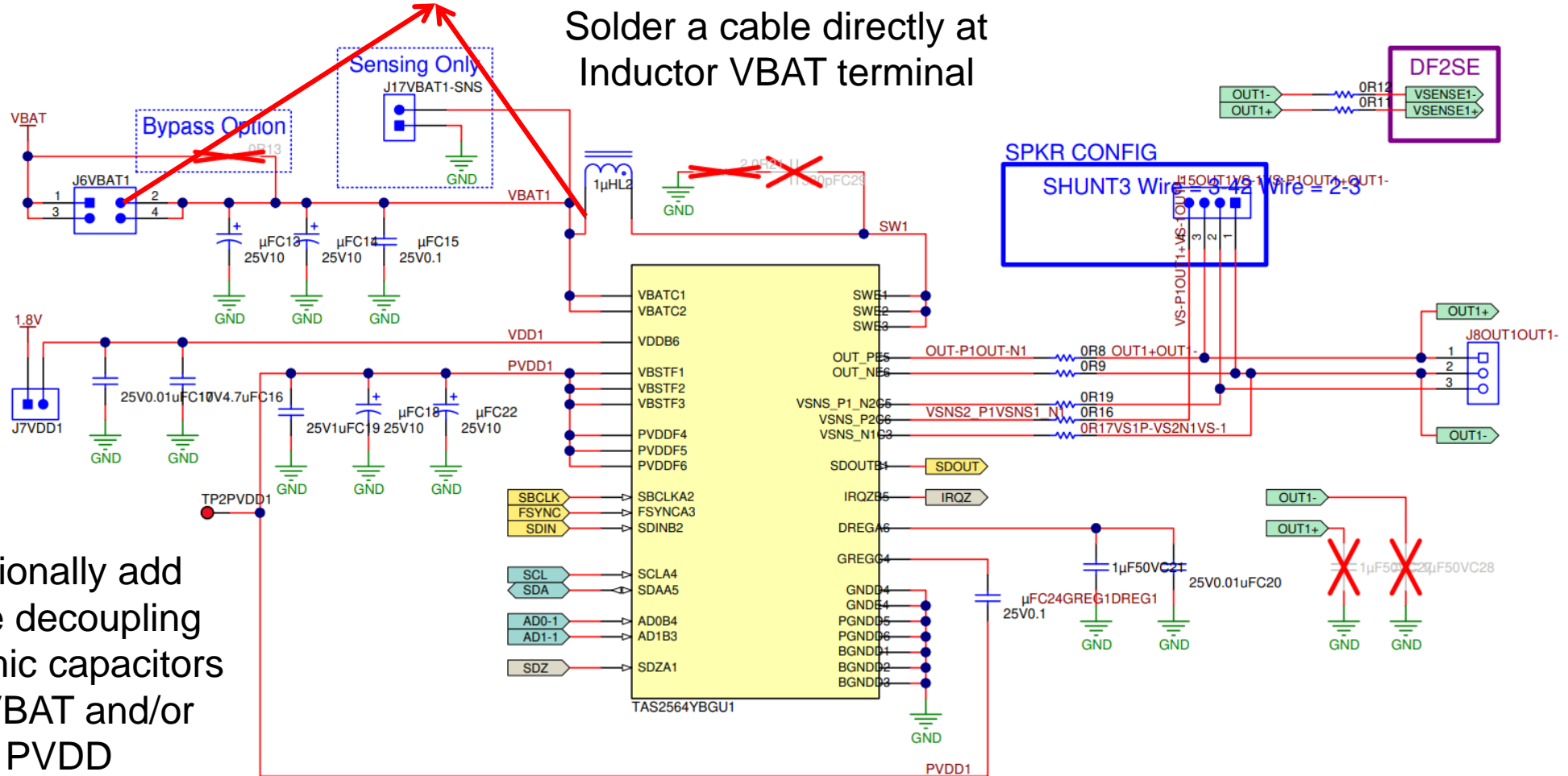


Star Connection to
VBAT supply for
Boost Inductor and
VBAT plane

Connect VBAT and Inductor VBAT in star connection to 3.4V supply

3.4V

Solder a cable directly at Inductor VBAT terminal



Optionally add more decoupling Ceramic capacitors on VBAT and/or PVDD