## 1 Schematic diagrams

Figure 1. AC load driver circuit

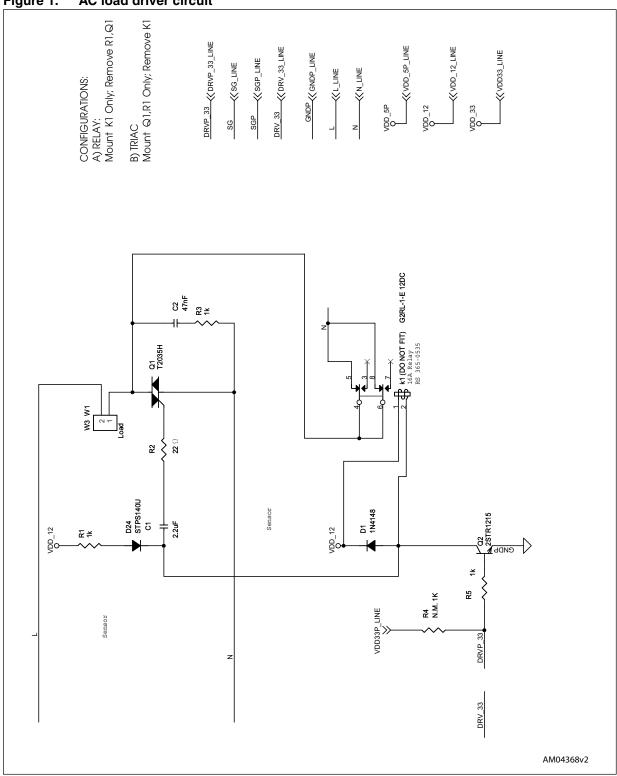
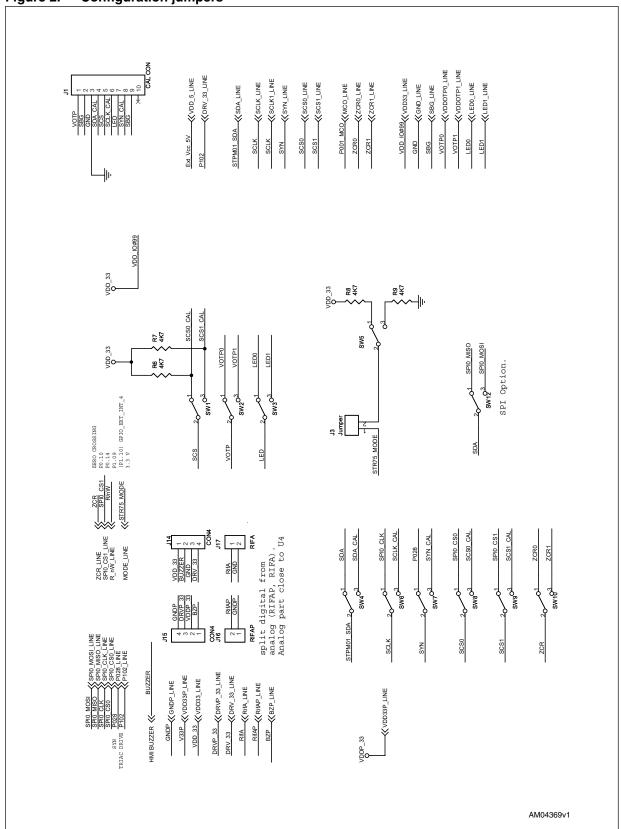


Figure 2. Configuration jumpers



JTAG PROG/DEBUG CONNECTOR GNDP (GNDP\_LINE JE JTAG BZP KBZP\_LINE ğΗ VCC\_3V3 **△** R91 (NOT MOUNTED) ₹ ₹ ₹ 5 3 R98 1k5 782 192 85 5 5 788 76 88 5 ₹ PUSH BUTTON AND LEDS 787 10¢ JT-TD0 RESET# JT-TCK C53 100nF JT-TRS JT-TMS JT-TD 2 9 7 VDD A2 A2 J5 LCD-CONN1 J7 LCD-CONN2 OS/INT LCD COLOR DISPLAY SDA D22 and D23 through hole TEMPERATURE SENSOR LCD-BACKLIGHT ₹7<del>,</del> vcc\_3v3 ♣ ₹55 \*\* ZIGBEE/SN260 AM04370v1

Figure 3. Temperature sensor circuit and connectors

Figure 4. Microcontroller circuit

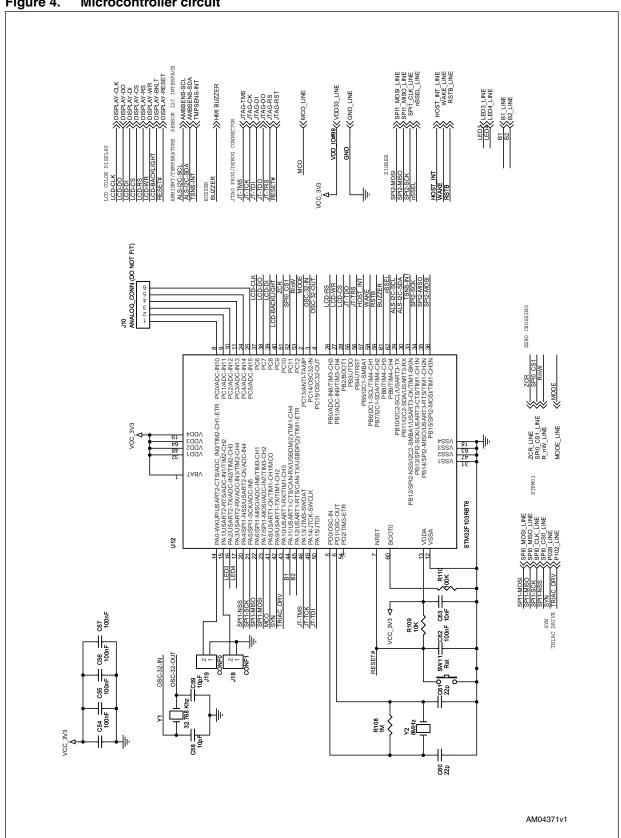


Figure 5. Energy meter circuit

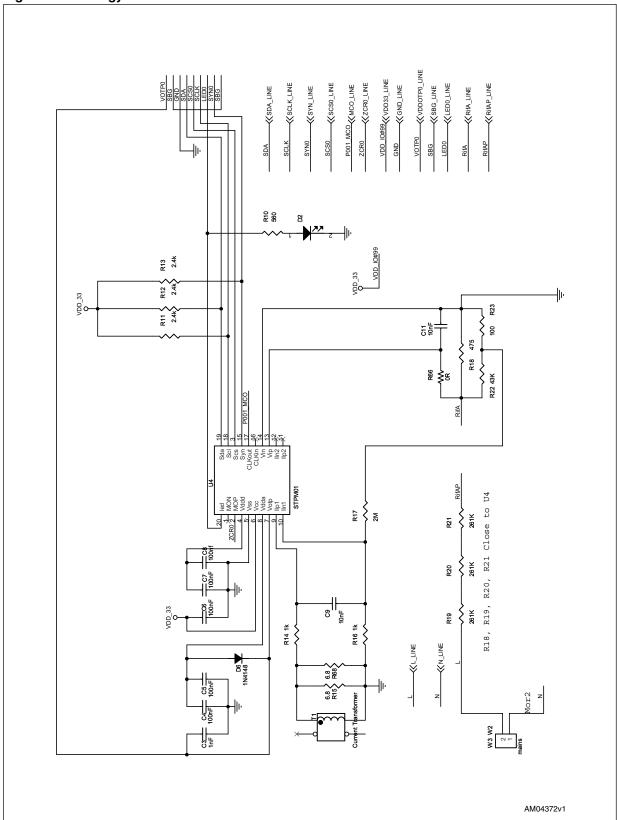


Figure 6. Differential current meter circuit

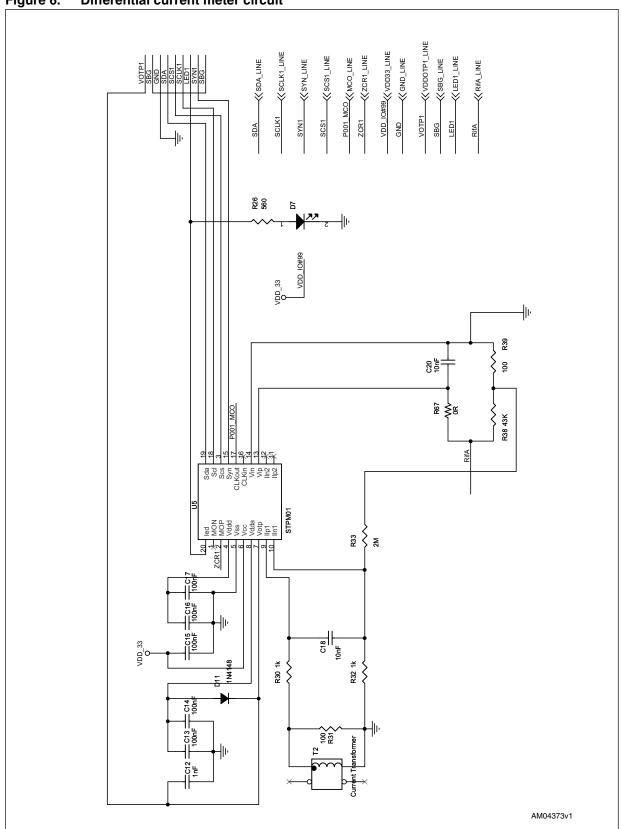


Figure 7. AC-DC converter circuit

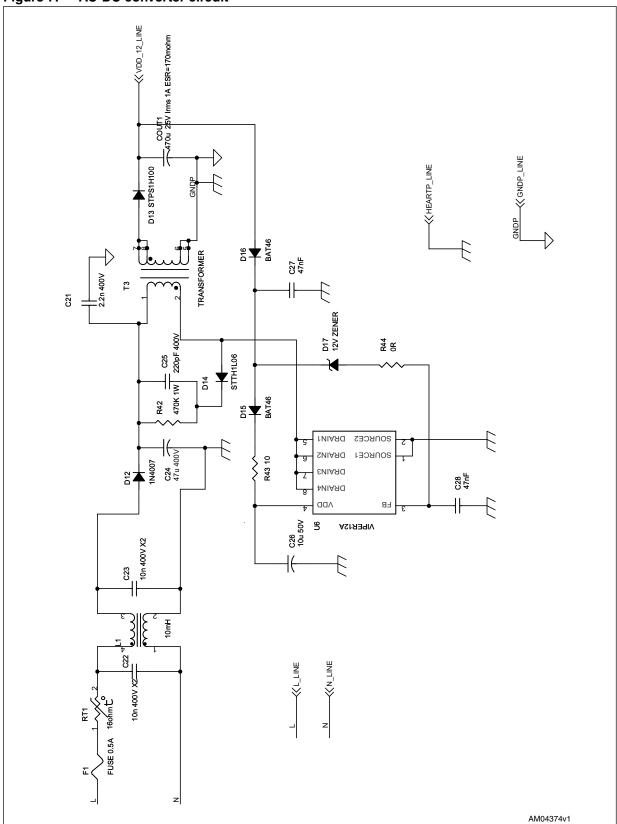


Figure 8. DC-DC converter circuit

