https://e2e.ti.com/support/data-converters-group/data-converters/f/data-converters-forum/1215281/afe4490-led-supply-query-and-schematic-feedback

Have customers used/applied the similar hardware settings/configurations from this schematic onto the EVM to do some experiments&tests&data collection&analysis to get some ideas&understandings how the signals look like?

For schematic review, I usually introduce some marker/notation legend first-

Left(or Upper) Side – Customer; Right(or lower) Side – EVM Schematic

Red line/marker - significantly different from the EVM schematic, may cause issues/problems. Please reconsider and change/improve.

Blue line/marker - different from the EVM schematic, could be okay as long as customer understands the intention and what they are trying to achieve. And, their designs have the flexibility/option to allow them make change/configure easily.

Black or No line/marker - same or similar with EVM schematic, checked no big concern.

- 1. Does customer have only DGND as universal GND=ANGD? I think it's ok.
- 2. TP21,22 consider putting 0 ohm resistors for debugging/troubleshooting if this is prototype board
- 3. TCP, TXN consider putting 0 ohm resistors for debugging/troubleshooting if this is prototype board
- 4. Suggest to put TP or 0 ohm resistors along SPI signal lines for debugging/troubleshooting if this is prototype board
- 5. For CLKOUT, RST_N and PDN_N, EVM has 10 ohm resistor in series, customer may put 10 or 0 ohm for now if this is prototype board





Figure 69. AFE44x0SPO2EVM: AFE44x0 Schematic (1 of 4)