

Precise Sense Readers board update

Change Description

Schema:

- Change of power switch IC201
- Added capacitor C410 on smartcard external clock
- Specified second source to LM1117MPX-3.3 (SPX1117M3-L-3.3/TR EXAR)
- Specified second source to ABM8G-12.000MHZ-18-D2Y-T (E3SB12.0000F18E22)
- IC300 upgraded from TCD50 to TCD58 (only affects the Sense MC)
- L211 updated from BLM18AG221SN1 to 0ohm

Layout:

- Increase pad size for test pads
- Improved PCB cutting instructions
- Closed solder mask on board edges
- Adjusted footprint for IC301 (LM1117MPX-3.3)

Reason for change

The main reason is the TCD50 chip which was not always compliant with the power supply rise-time that was published in the datasheet. The TCD58 chip is the same as TCD50, the sole difference is in the power supply rise time specification.

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