Input Voltage = 10Vin to 14Vin

Fsw = 400KHz

25uH 1

*NOTES:*

1. LDO output capacitors' external ESR resistors are each a 2 Ohm resistor (1206 Package; Imperial). For example, R29 and Rx5. These two parallel resistors can be replaced with a single 2 Ohm resistor in a 2010 package (Imperial) or whichever package size that can withstand peak pulse power of 100mW for 4 microseconds. This is necessary for the resistors to withstand occasional instantaneous shorts. See test report.

2. All components denoted with an "x" suffix represent parts that were not part of the original design when the PCBs were fabricated. These components were added to the design and kludged onto the board afterwards.

3. Shorts circuits on the LDO outputs should not be sustained. Even though the LDO limits the output current, the power dissipated in the LDO will be large enough to very rapidly increase the temperature of the part (within a few seconds) until the part enters over-temperature shutdown.

Engineer:

Contact:

File:

Number:

TID #:

Version:

Mod. Date:

Size:

Sheet:

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