













SYNAPSE **Layout Notes: Design Notes:** PCBA: EVM Application Board **Project:** Ventriloquist Minimize current loop of input/output caps of TPS630252 1511 6th Ave., Suite 400 Seattle, Washington 98101 206.381.0898 | www.synapse.com TPS630252 Assumptions: Minimum battery voltage: 3.0V **Sheet Title:** Regulation Peak current @ 3.6V: 1A Efficiency: 90% Calculated Peak inductor current: 1.428A PROPRIETARY AND CONFIDENTIAL Drawn by: D. Bruey, M. Ciuffo THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND RESTRICTED. ANY REPRODUCTION INPART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER IS PROHIBITED. Calculated Frhpz: 398.5kHz (7) Used (5)(6)(7) on TPS630252 datasheet (.8V/150k)*(150k+523k) = 3.589V Schematic Part Number: 602-100862 Schematic Revision: 03 Date: 9/19/2016 Sheet: 6 / 7

