



THE UNIVERSITY of EDINBURGH School of Engineering

Buck Converter Lab

Buck Converter 7-20V Input Adi. 1-5 V Output 4 A Max Output 320-1300 kHz Adj.

VCC

Track/SS

BG

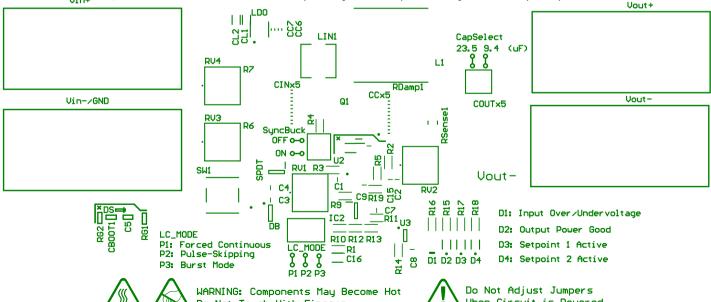
TG

SW

ITH

Vout+

SWI: Switches Between Setpoint 1 & 2 RVI: Adjusts Switching Frequency RV2: Adjusts the Feedback Gain RV3/4: Adjusts Setpoint 1/2 SyncBuck: Switches Between Synchronous and Non-Synchronous Switching LC_MODE: Switches Beteen Low Current Operating Modes CapSelect: Adjusts the Output Capacitor Size



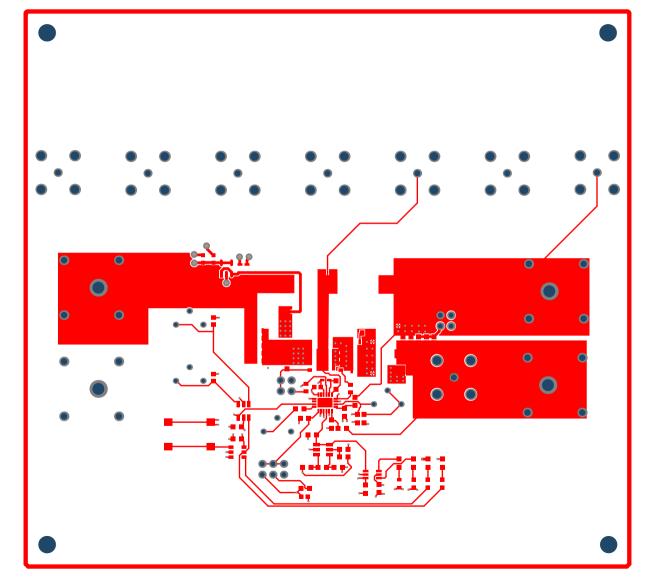


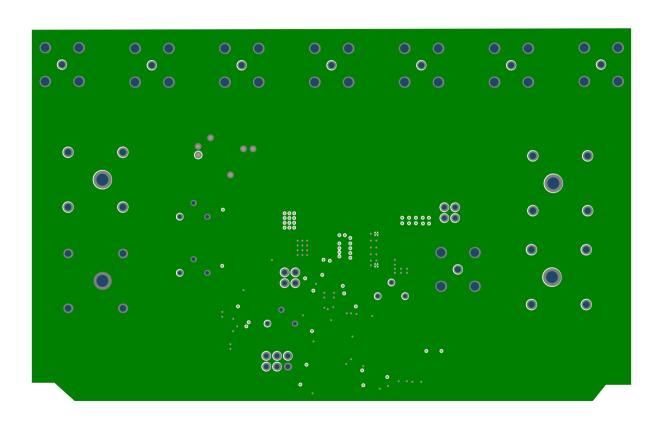


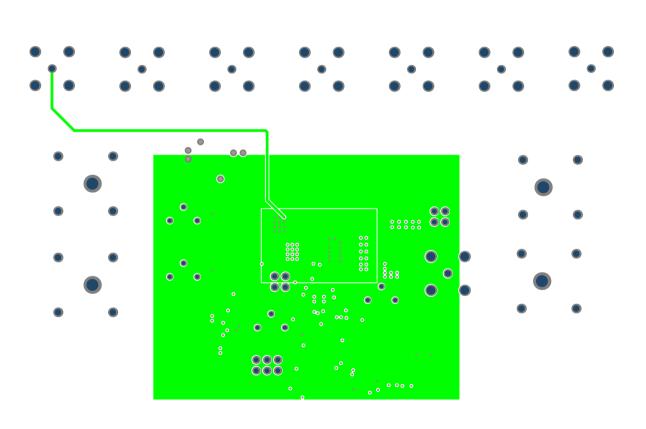
Do Not Touch With Fingers

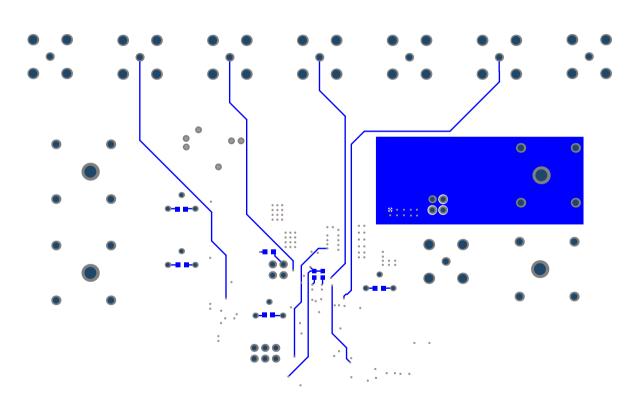


When Circuit is Powered











Board Stack Report