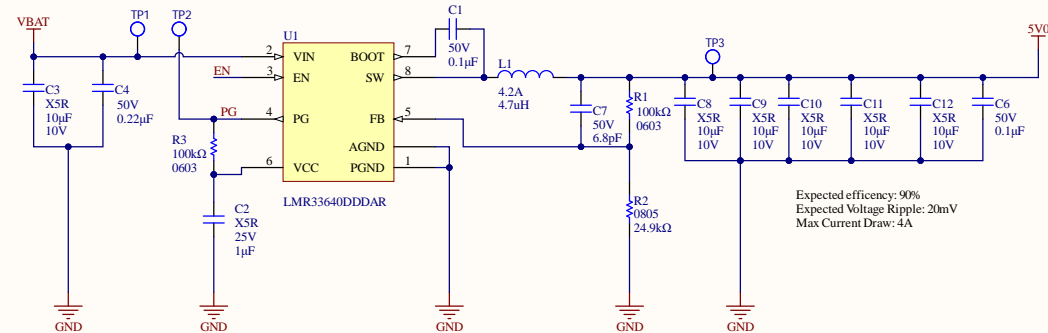


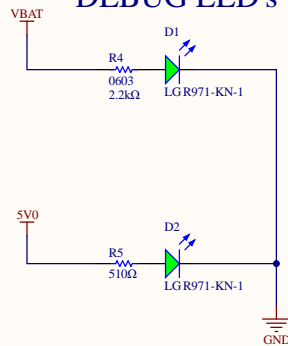
24 TO 5V BUCK CONVERTER

Input Voltage Range: 18-25.2 V



Expected efficiency: 90%
Expected Voltage Ripple: 20mV
Max Current Draw: 4A

DEBUG LED'S

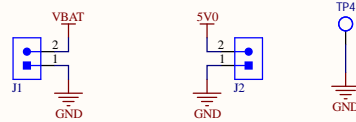


LED Current Calcs:
Fwd Voltage @ 2.2V

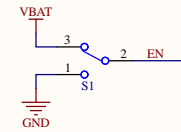
$V_{Bat} = (25.2 - 2.2) / (2.2 \times 10^3) = 10mA$
 $(18 - 2.2) / (2.2 \times 10^3) = 7.2mA$

$5V0: (5 - 2.2) / (510) = 9.8mA$

CONNECTORS

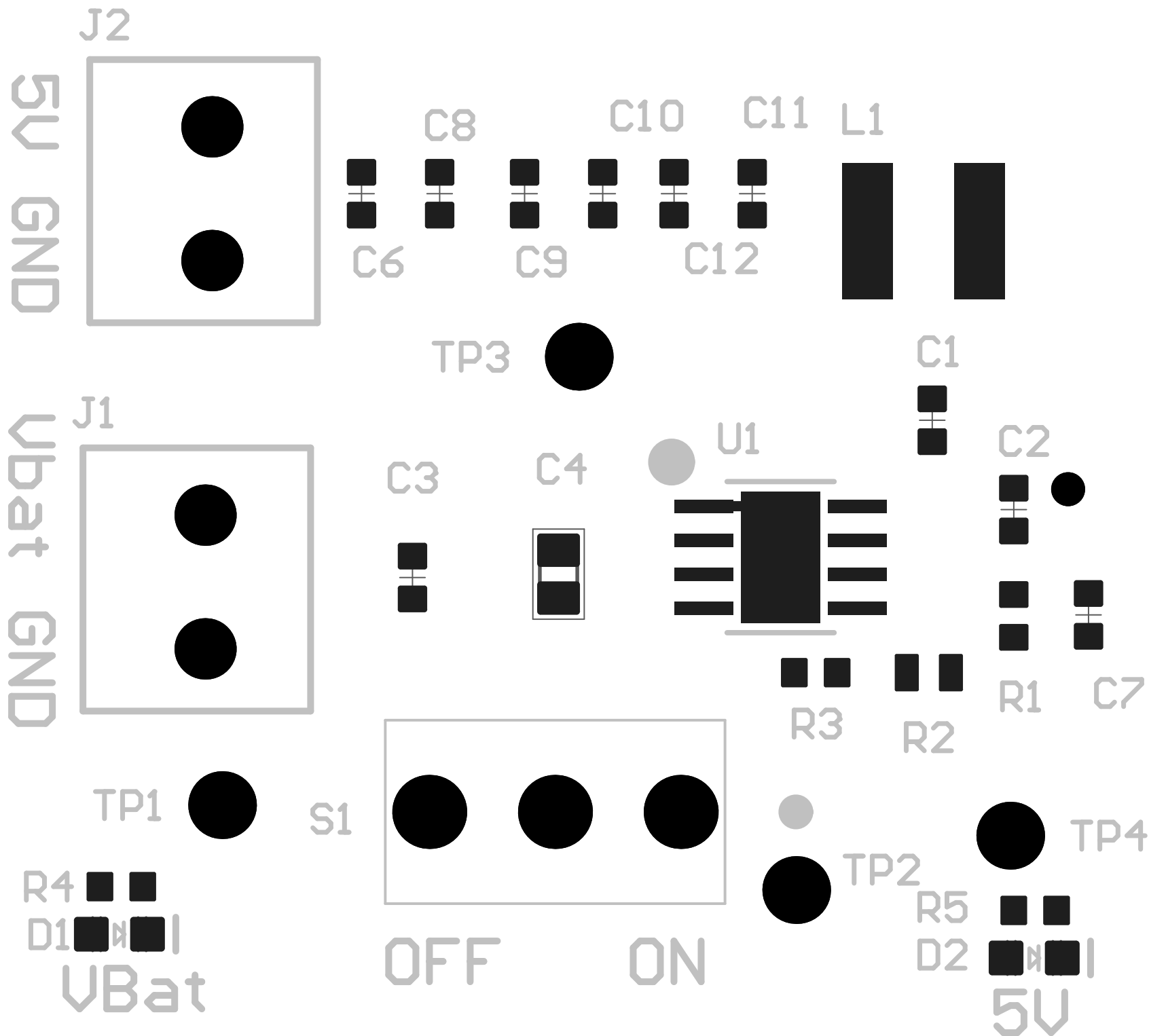


TOGGLE SWITCH



Title: EVALUATION BOARD: 24 TO 5V BUCK	
Project: Buck_24_to_5_Eval.PjtPcb	
Rev: 1.0	Reviewer: *
Engineer: Sahil Kale	
Date: 3/10/2021	Sheet: 1 of 1





Board Stack Report