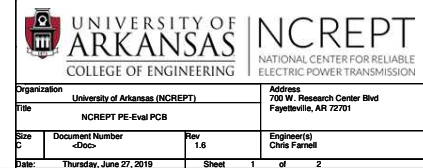


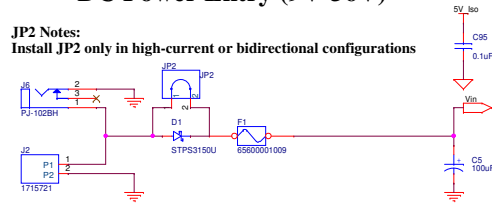
Scale : (R39, R45, R51, R57, R63, and R69)
66V = 2V for 31.6k Resistor (RK73H1JTTD3162F)
400V = 2V for 4.99k Resistor (RK73H1JTTD4991D)
+/-66V = 2V for 13.7k Resistor (RK73H1JTTD1372F)



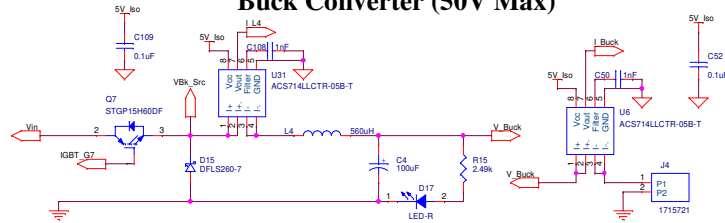
DC Power Entry (9V-36V)

JP2 Notes:

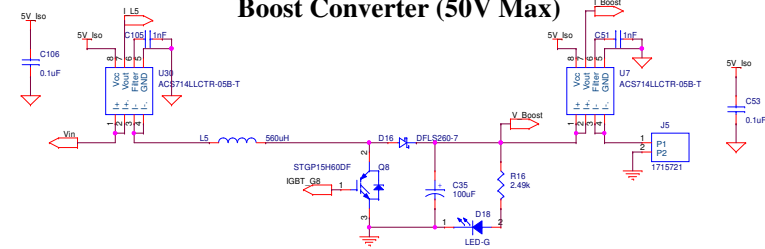
Install JP2 only in high-current or bidirectional configurations



Buck Converter (50V Max)



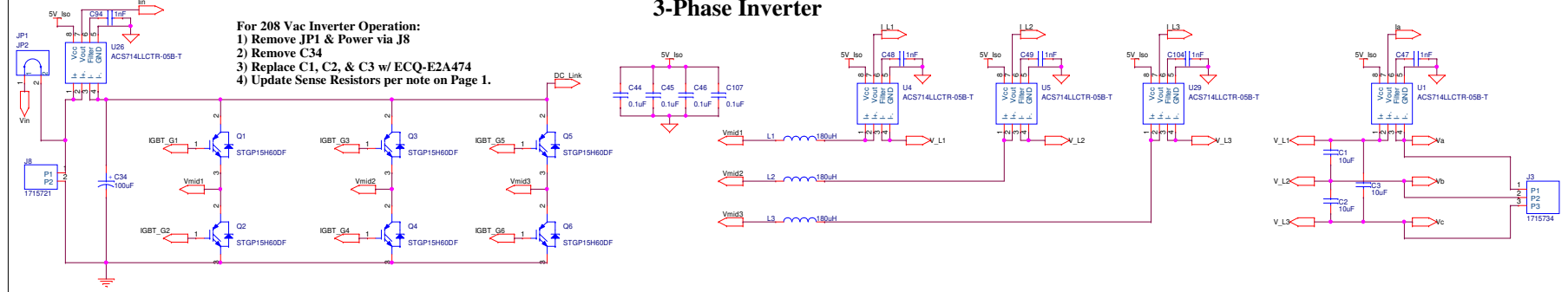
Boost Converter (50V Max)



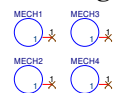
3-Phase Inverter

For 208 Vac Inverter Operation:

- 1) Remove JP1 & Power via J8
- 2) Remove C34
- 3) Replace C1, C2, & C3 w/ ECQ-E2A474
- 4) Update Sense Resistors per note on Page 1.

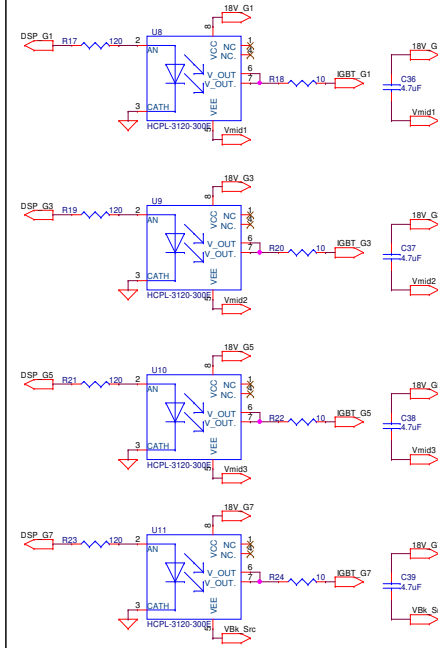


Mounting

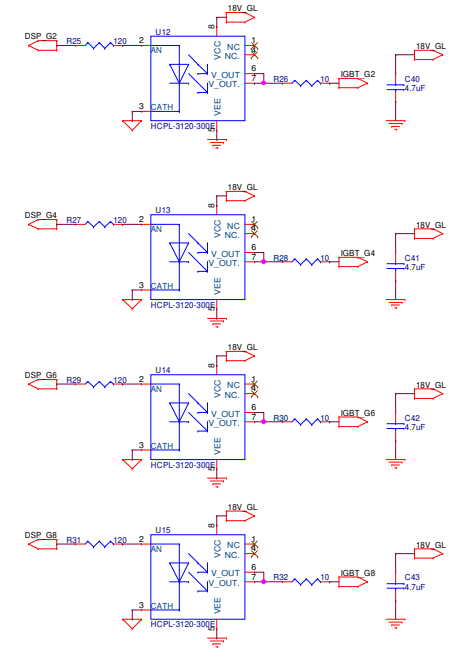



IGBT Drivers

High-Side



Low-Side



		UNIVERSITY OF ARKANSAS		NCREPT	
		COLLEGE OF ENGINEERING		NATIONAL CENTER FOR RELIABLE ELECTRIC POWER TRANSMISSION	
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Date Thursday, June 27, 2019	Sheet 2		of 2		