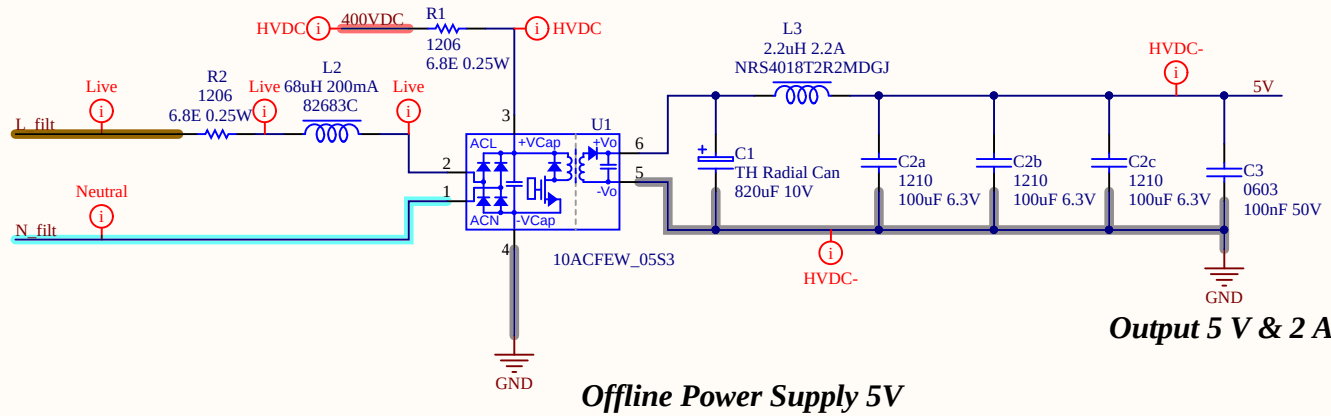
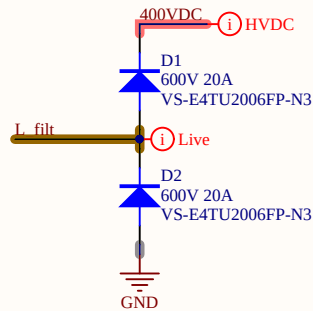
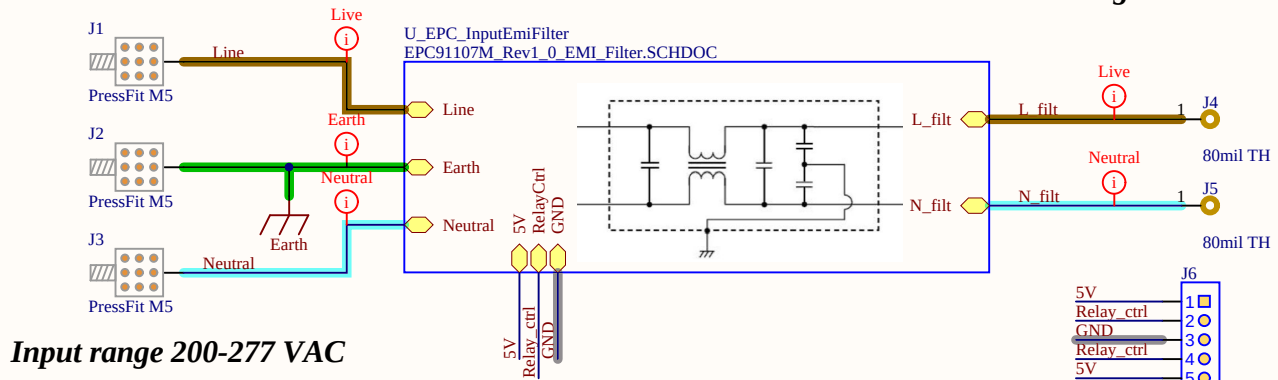




Offline Power Supply 5V

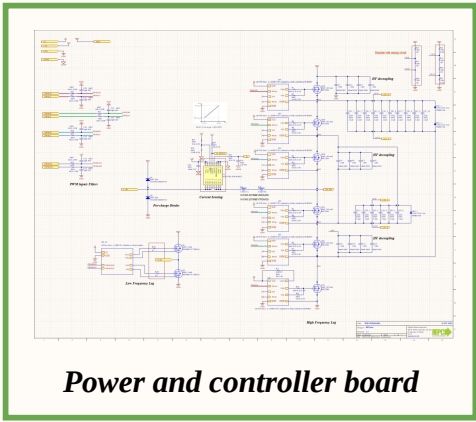


Pre-charge Diodes



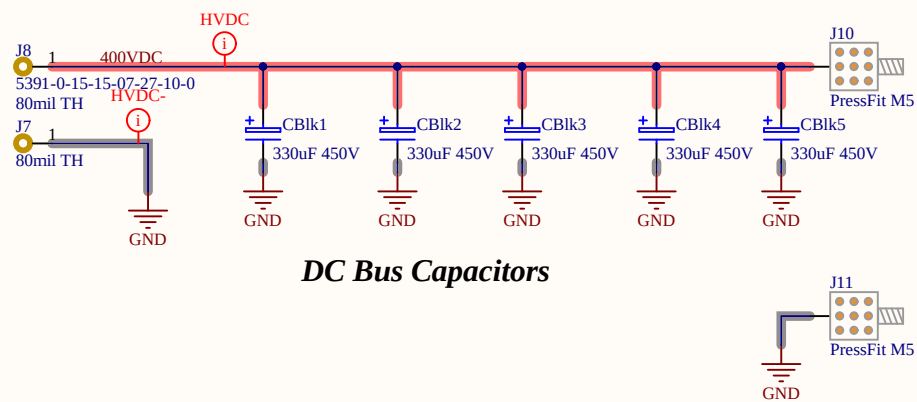
Input range 200-277 VAC

EMI Filter and In-rush relay



Power and controller board

5 V and Relay Control



DC Bus Capacitors

Output 400 V



For evaluation only;
not FCC approved for resale

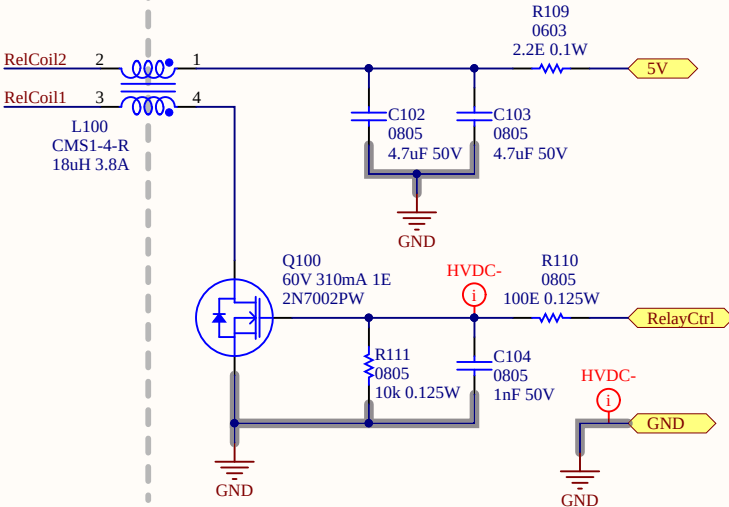
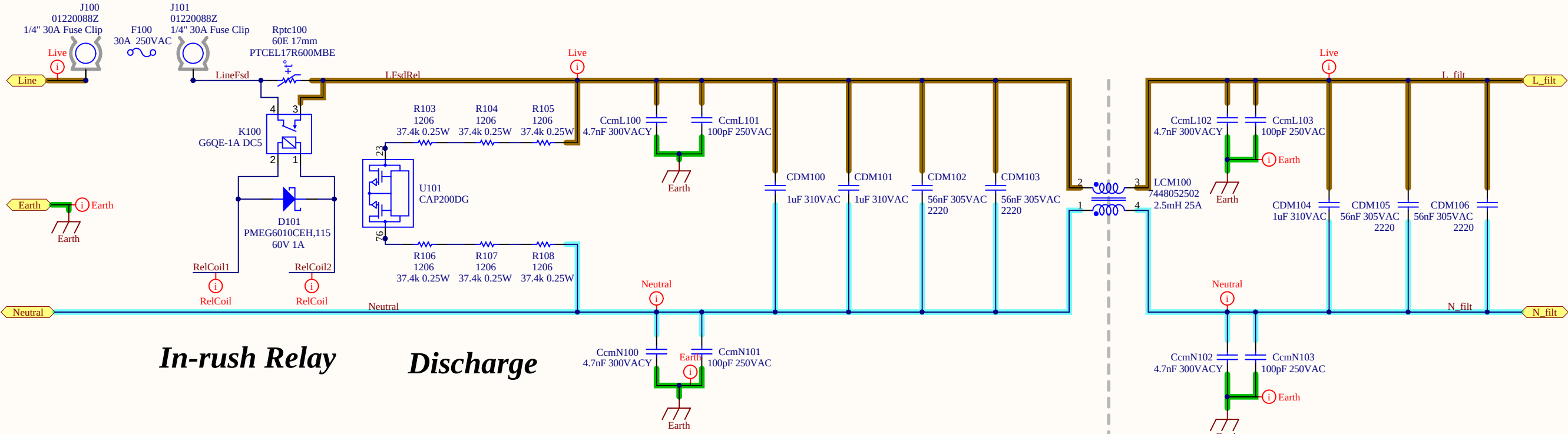
Serial# yyww-nnn



PCB1
B5486_2.0

Title: 5kW Multi-Level totem-Pole PFC Mother Board			© EPC 2025
Design #: EPC91107M	PCB #: B5486	Efficient Power Conversion 909 Pacific Coast Hwy. Ste 230 El Segundo, CA 90245 U.S.A. www.epc-co.com  EFFICIENTPOWERCONVERSION	
Revision 2.0	Revision: 2.0		
Date: 3/12/2025	Sheet 1 of 2		
File: EPC91107M_B5486_Rev2_0_Main.schdoc			

EMI Filter



Relay Driver