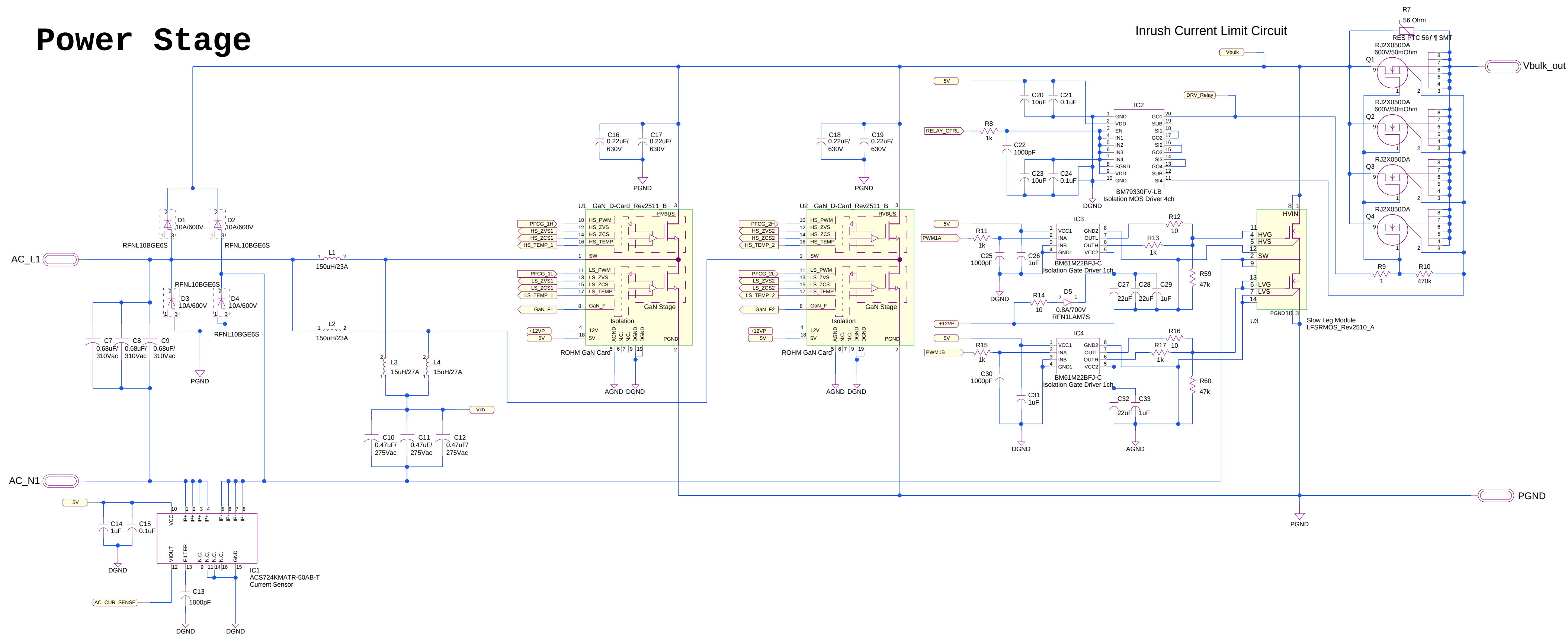
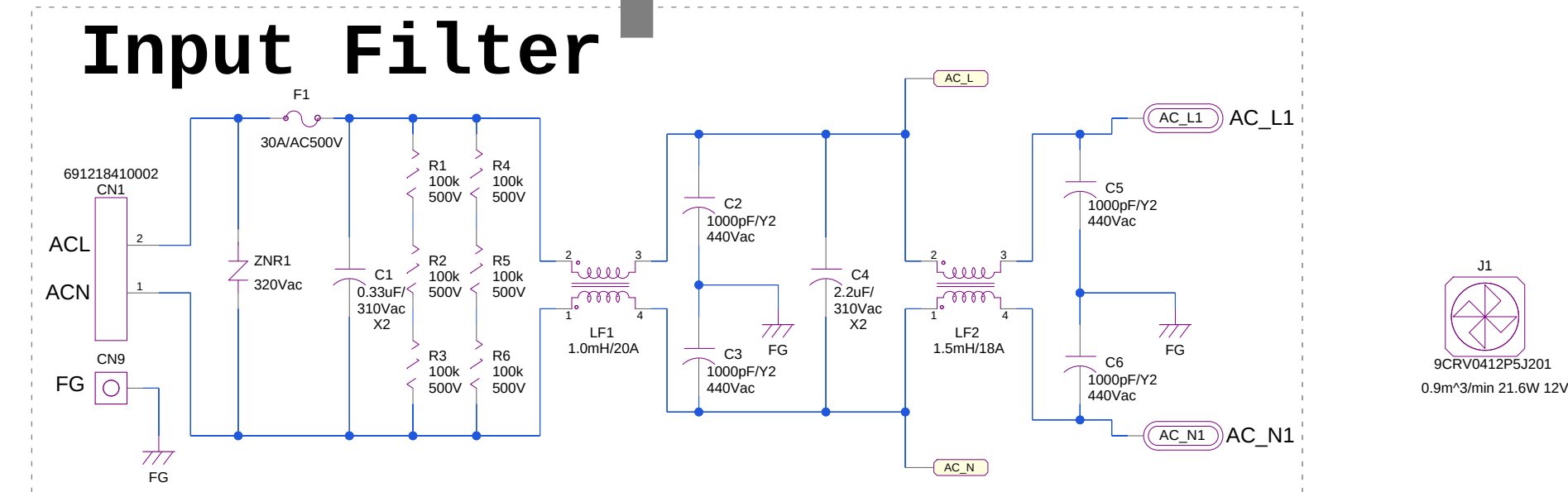


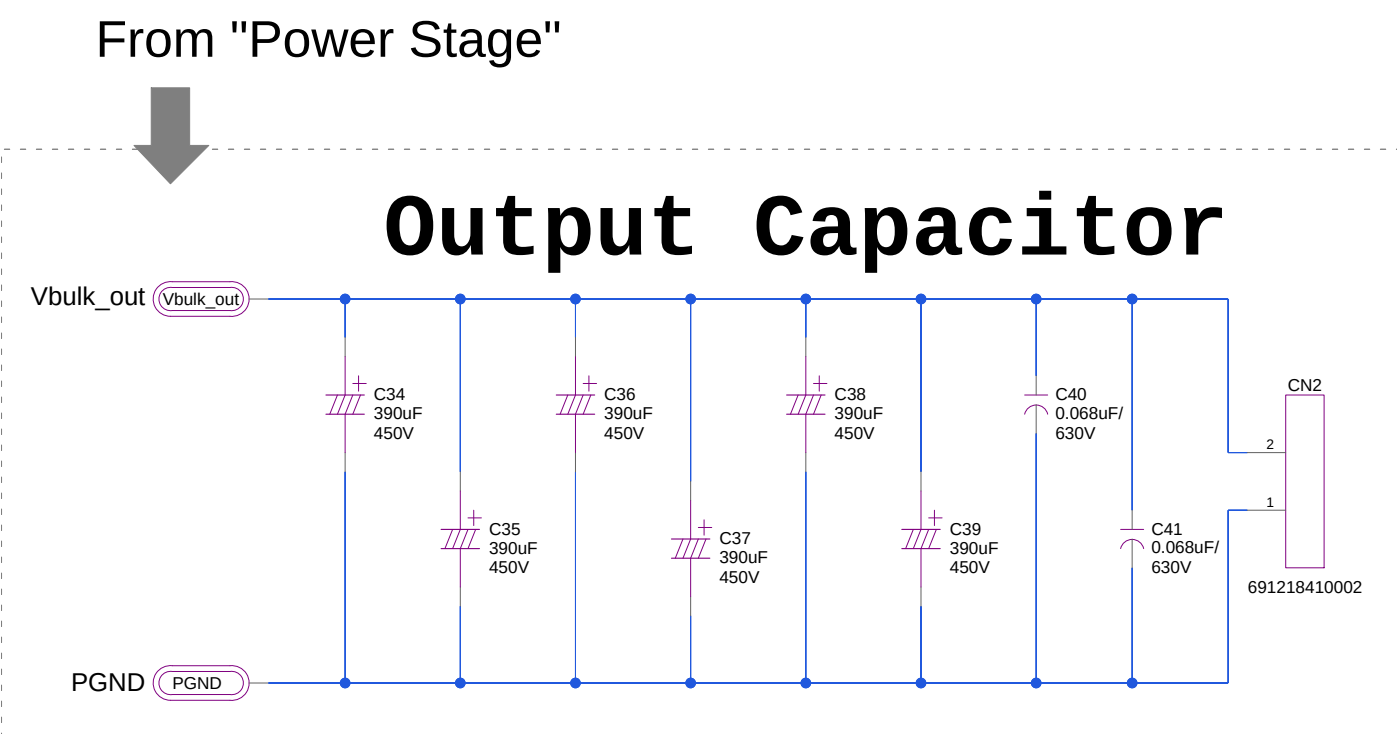
Power Stage



Input Filter



Output Capacitor



TITLE
Totem Pole PFC 5.5kW
Main Board - Power Stage



SIZE
A2
DWG NO
PCBAPD0010
DRAWN BY
S.Suzuki

SHEET
1
of
6

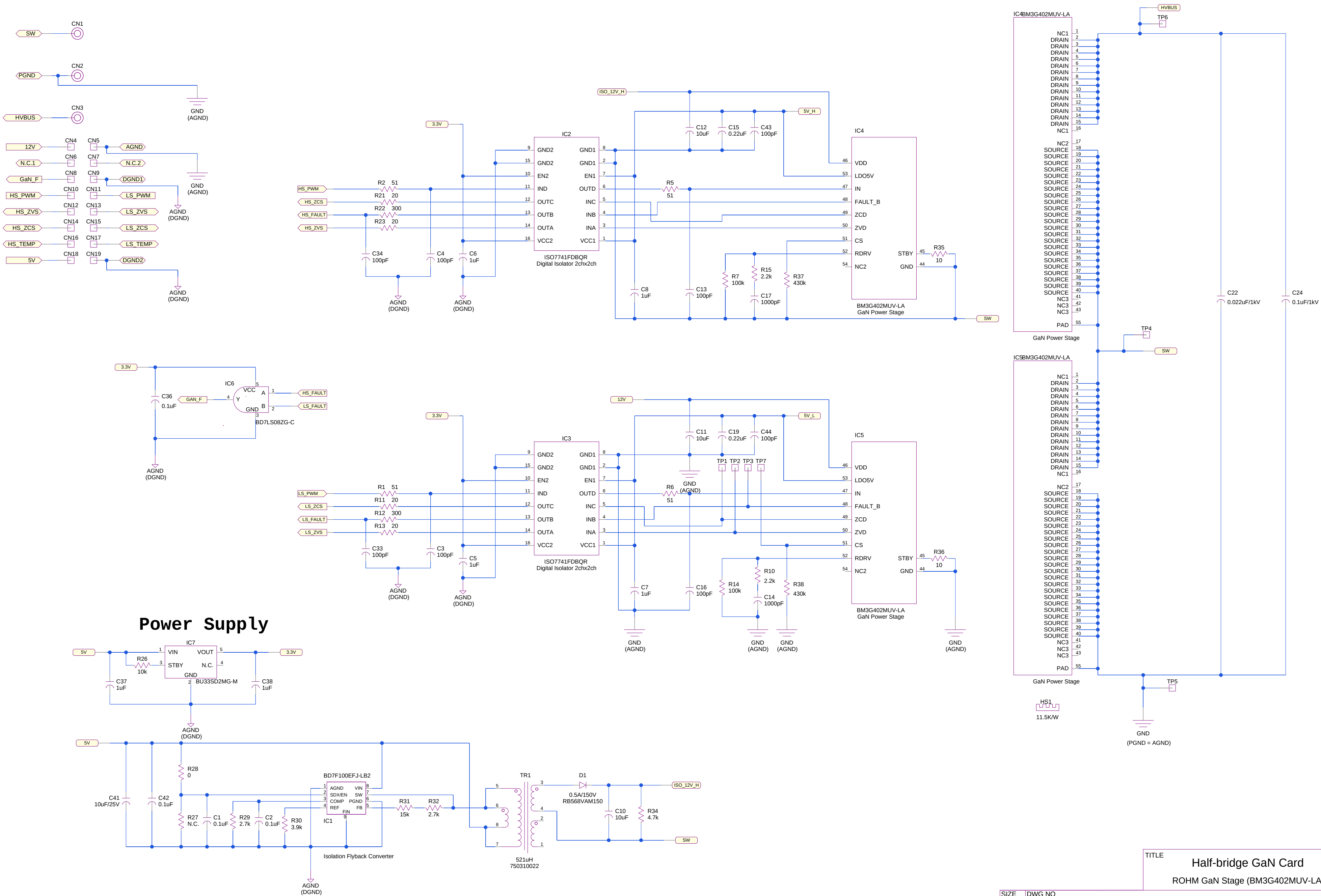
MAIN
REV
E
15/09/2026:16:47

Terminal

Digital Isolator

GaN Stage

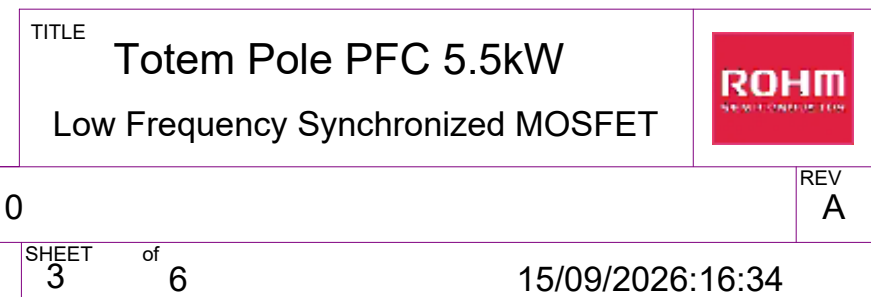
Power Supply



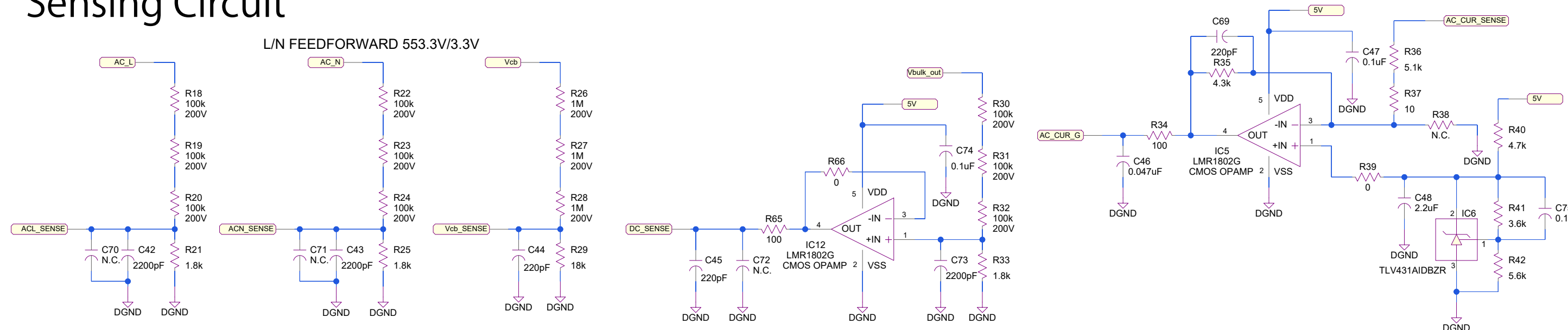
TITLE
Half-bridge GaN Card
ROHM GaN Stage (BM3G402MUV-LA)



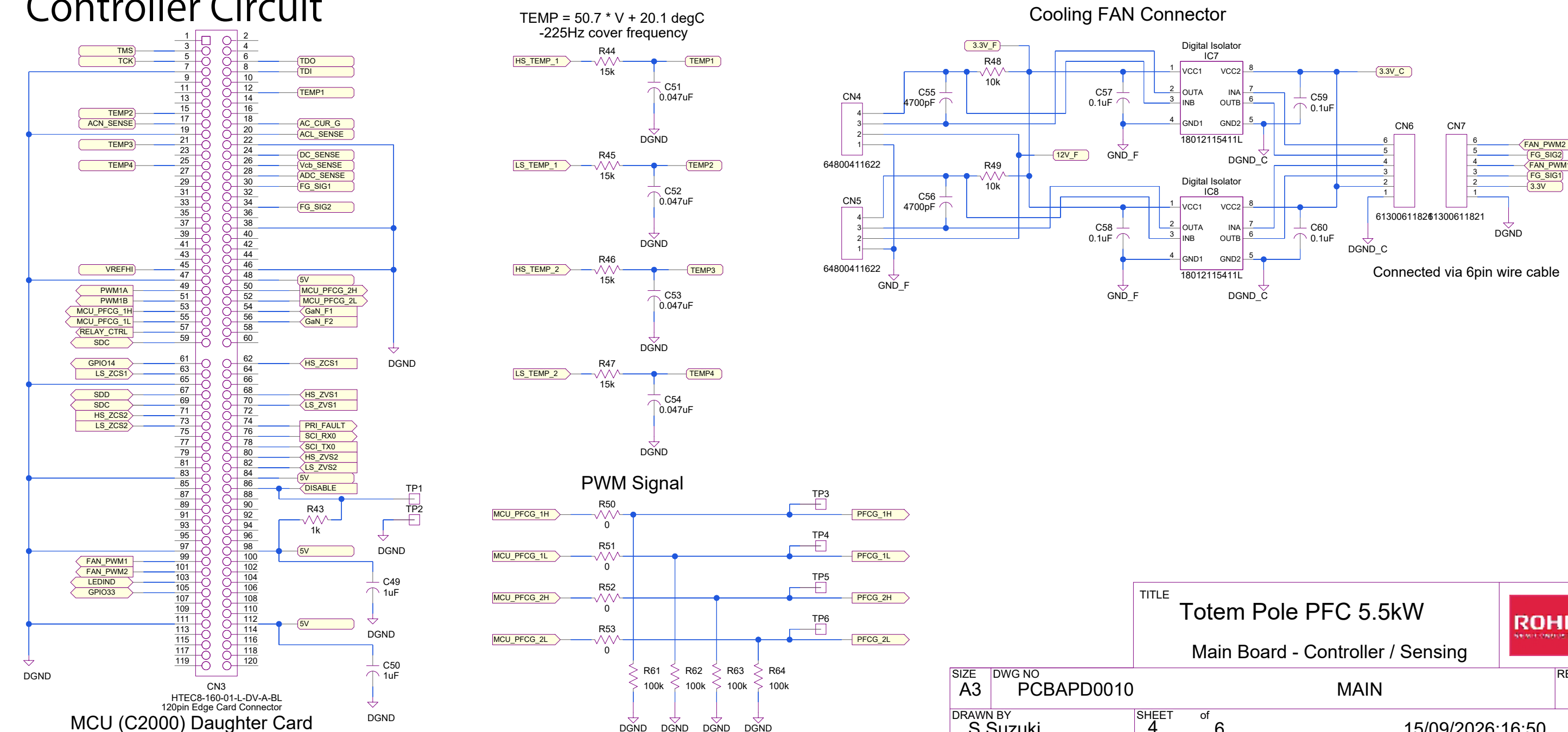
SIZE A2	DWG NO PCBAPD0011	GaN_Card_ROHM_Rev2511_C	REV B
DRAWN BY S.Suzuki	SHEET 2	of 6	15/09/2026:16:34



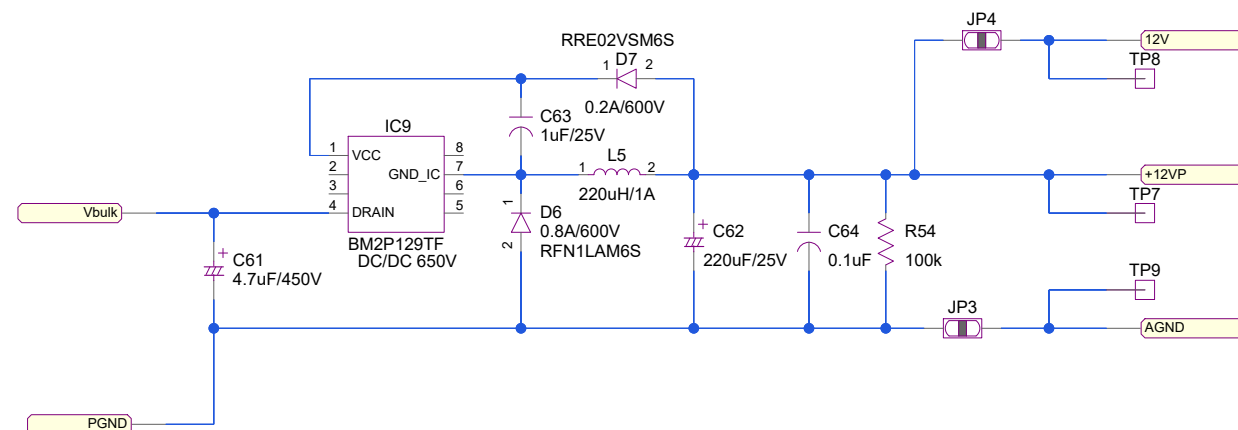
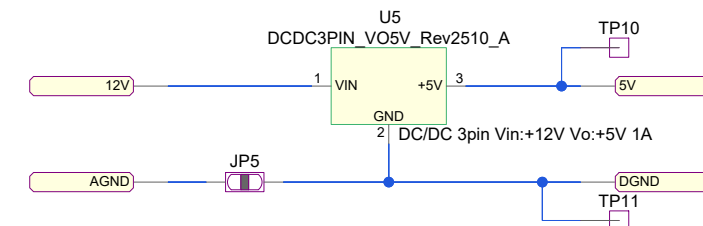
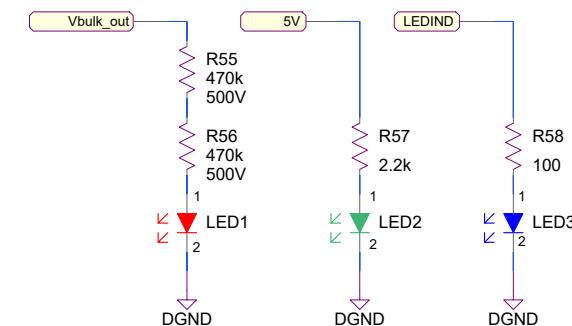
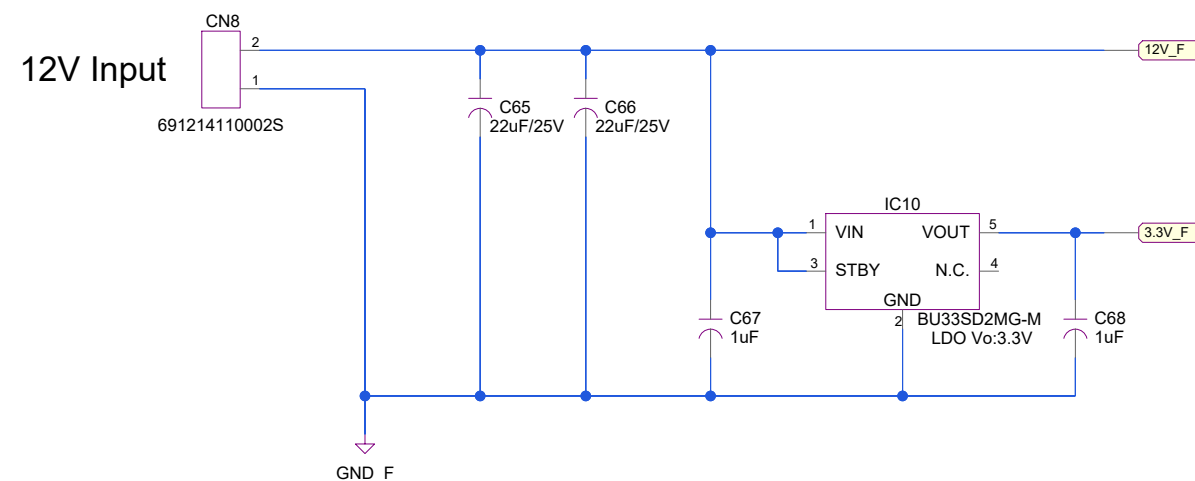
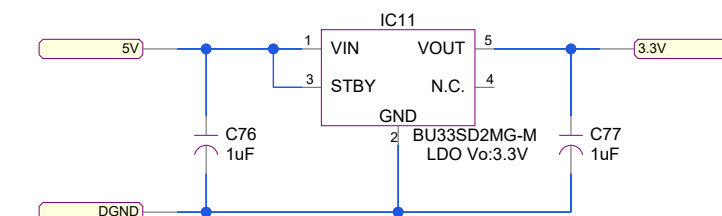
Sensing Circuit



Controller Circuit



Auxiliary Power Supply



Primary Side

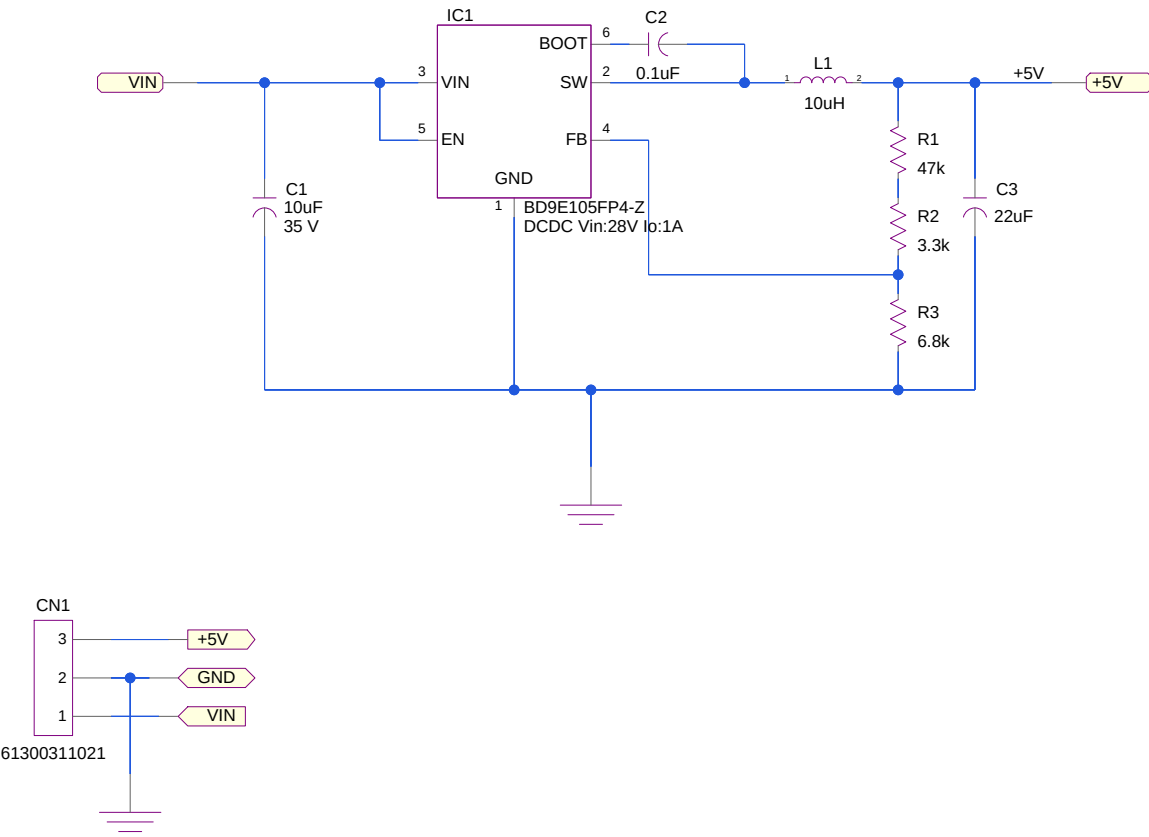
Secondary Side

TITLE
Totem Pole PFC 5.5kW
Main Board - Auxiliary Power Supply



SIZE A3	DWG NO PCBAPD0010	MAIN	REV E
DRAWN BY S.Suzuki	SHEET 5	of 6	15/09/2026:16:51

DC/DC Converter To-3pin Module



TITLE
DC/DC Converter To-3pin
Vin:8-24V, Vout:5V 0.5Amax



SIZE A3	DWG NO PCBAPD0010	REV A
DRAWN BY S.Suzuki	SHEET 6 of 6	15/09/2026:16:32

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