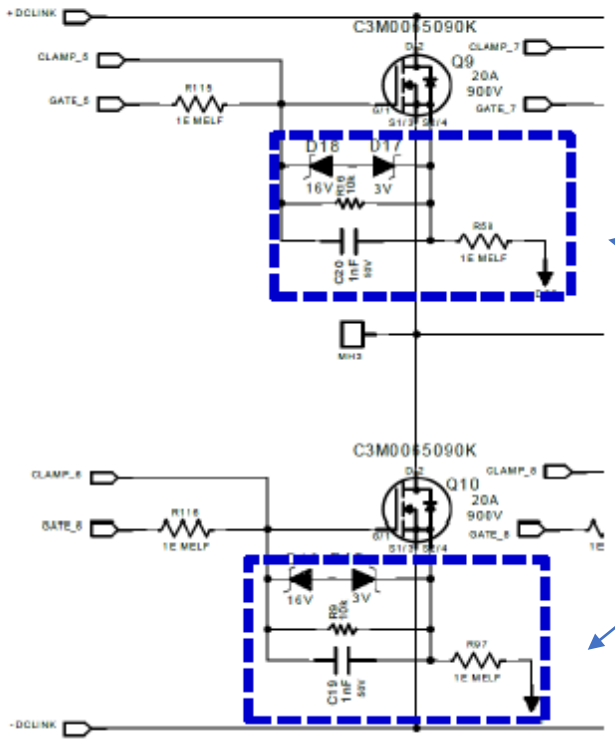
Question1, 2

About Application Note CPWR-AN25, Rev B Cree Power Applications

CRD-06600FF10N

6.6 kW BI-DIRECTIONAL EV ON-BOARD CHARGER

P86 **Power Board Schematics:**



About the circuit around the gate.

Question1
Would you teach the role of passive parts in the blue frame in the left figure?

Question2
By arranging like the passive parts on the left,
Is there any effect such as noise reduction?

Question3, 4

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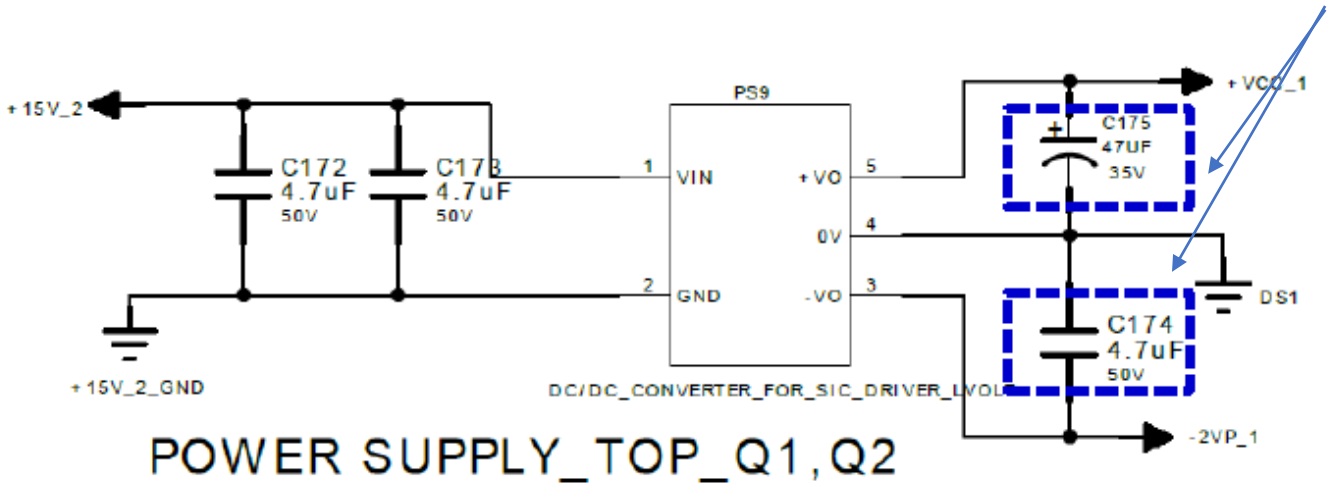
P87 **Power Board Page 2:**



About the capacitor of the output part Aluminum electrolytic capacitor (C175 in the left figure) and laminated chip capacitor (C174 in the left figure) are used.

Question3

Would you teach the reason why you chose the aluminum electrolytic capacitor?

Question4

By changing from a laminated chip capacitor to an aluminum electrolytic capacitor Is it possible to reduce noise?