

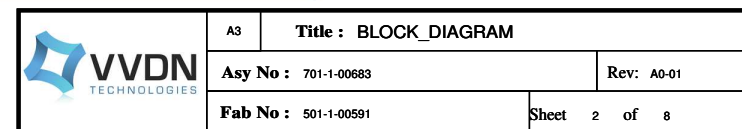
REV	Revision Notes	Designer	Approver	Date
Ax		<Name>	<Name>	DD-MM-YYYY

PLMJ_TABC

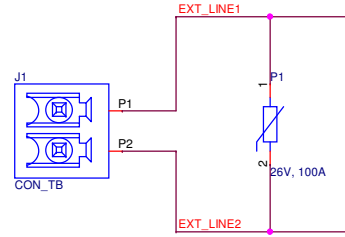
WL_CHARGER

Content	
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04	POWER SECTION
05	WIRELESS POWER TRANSMITTER1
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Paloma Wireless Charger

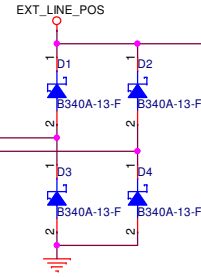


Boiler Interface Connector

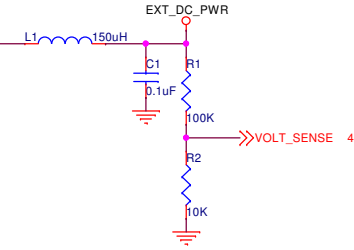


EXT_LINE1 and EXT_LINE2 nets are Power Nets.
So please discuss with the Hardware Engineer while
choosing the trace width while layout.

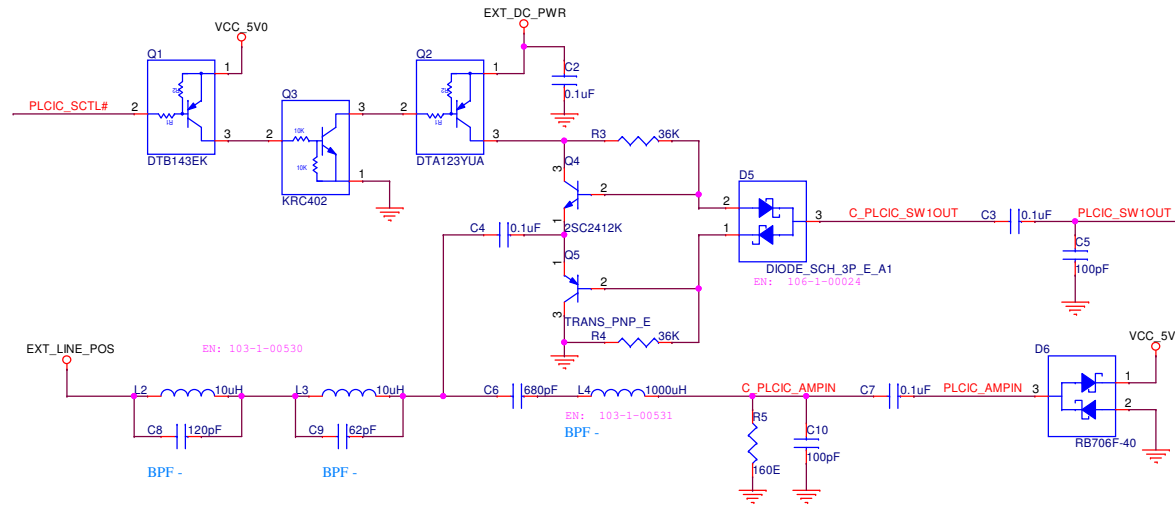
Polarity Correction Circuit



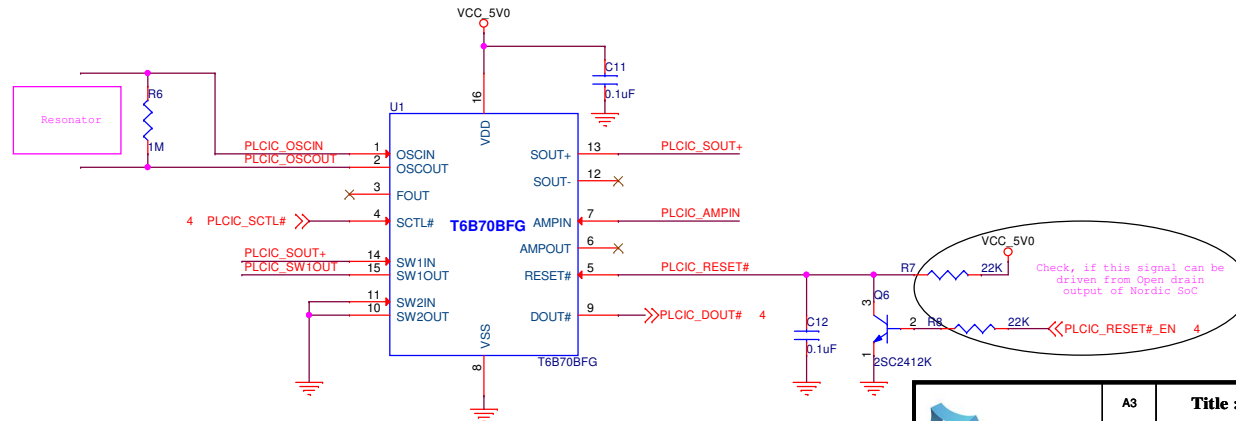
PLC Power Filter



PLC Signal Filter



Boiler Interface Chip

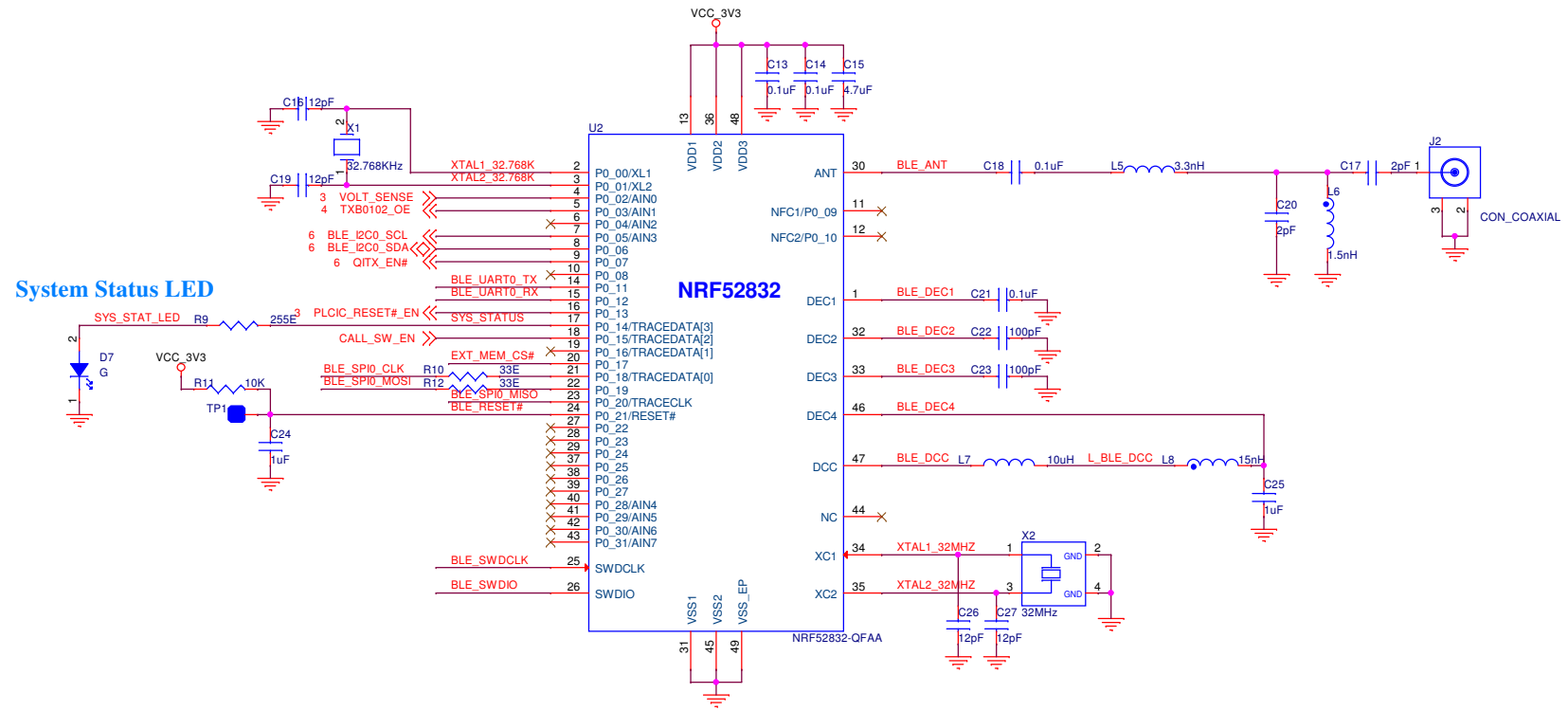


Check, if this signal can be
driven from Open drain
output of Nordic SoC



A3	Title : BOILER INTERFACE	
Asy No : 701-1-00683		Rev: A0-01
Fab No : 501-1-00591		Sheet 3 of 8

BLE SoC



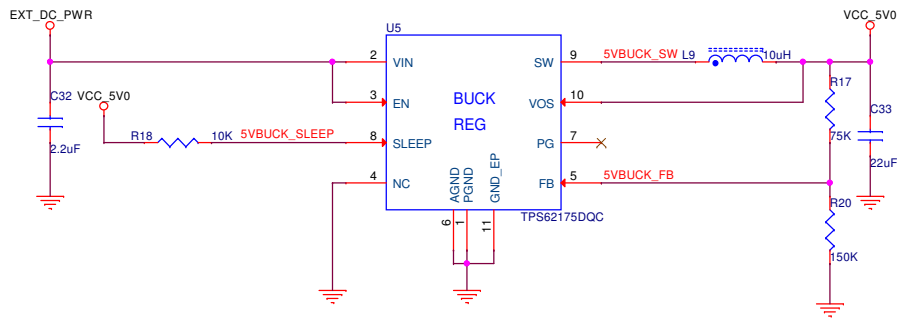
SPI NOR Flash

SoC Programming Connector

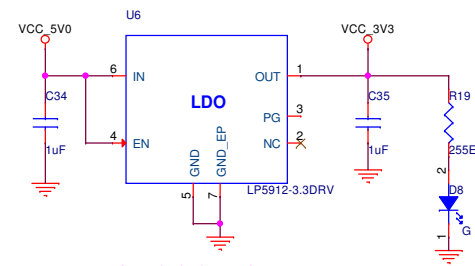
Boiler Interface level Translator

POWER SECTION

Switcher - 5V/0.5A



LDO - 3.3V/0.5A



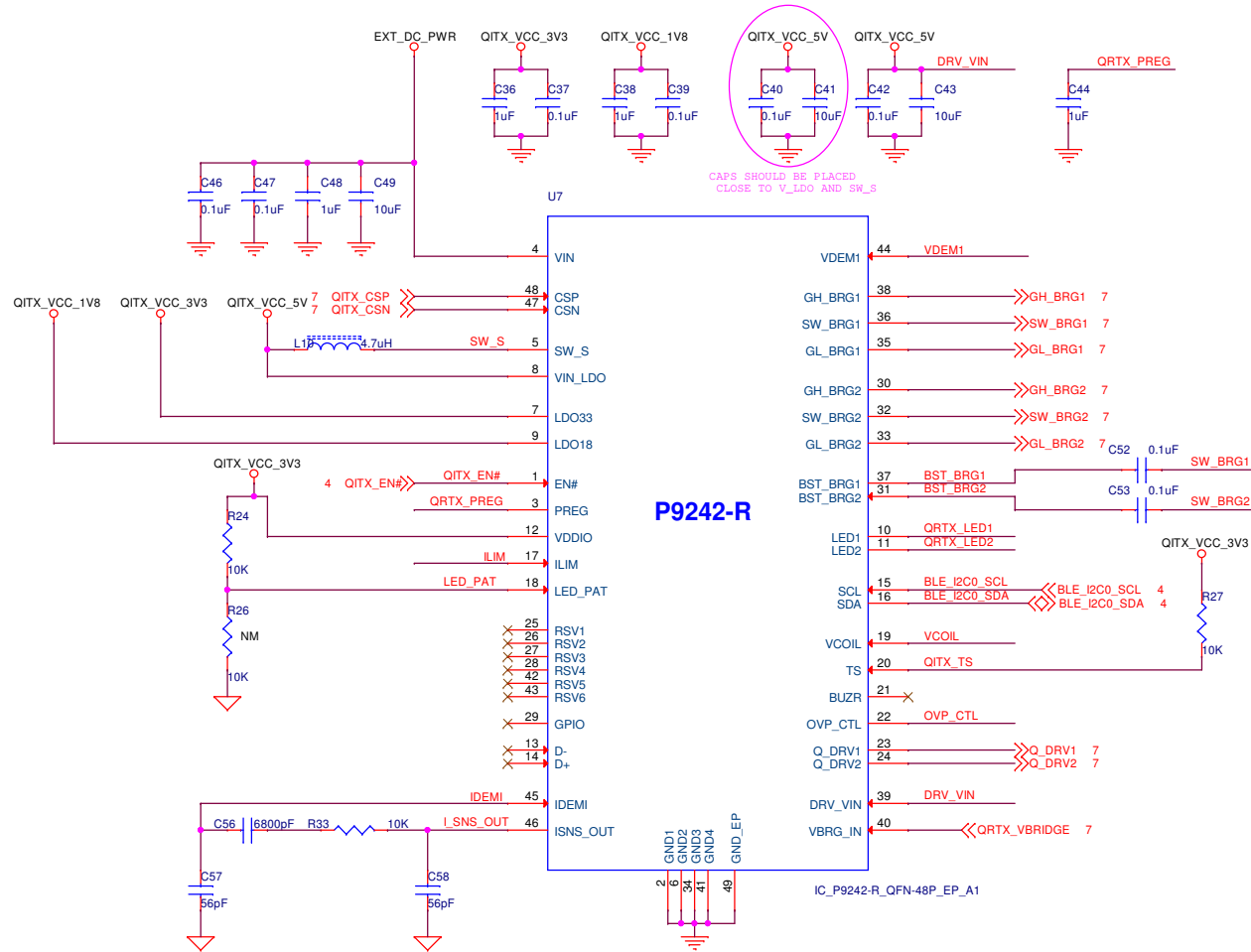
Place the both capacitors
near by the pins

Both the Capacitors values
are recommended values from TI

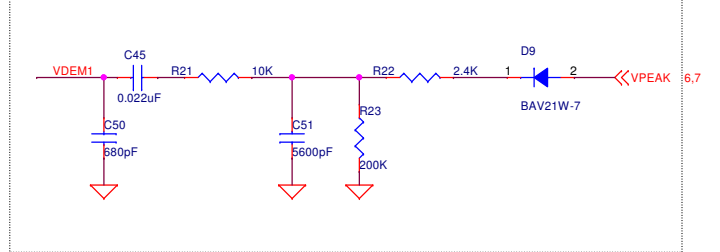


A3	Title : POWER SECTION	
Asy No : 701-1-00683		Rev: A0-01
Fab No : 501-1-00591		Sheet 5 of 8

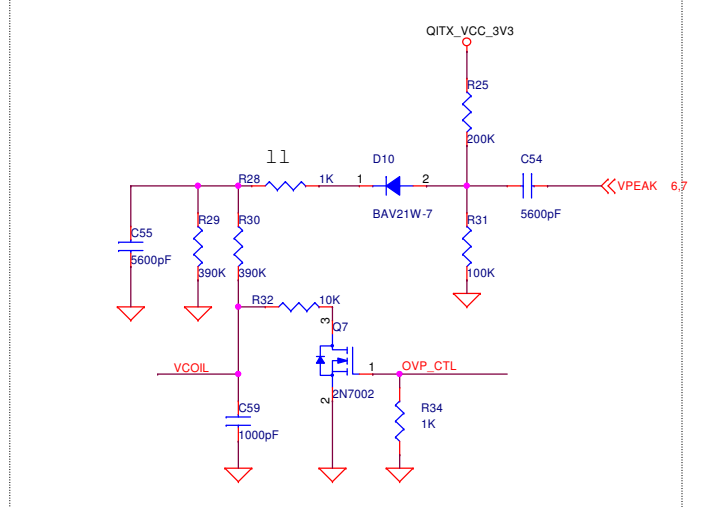
Wireless Power Transmitter



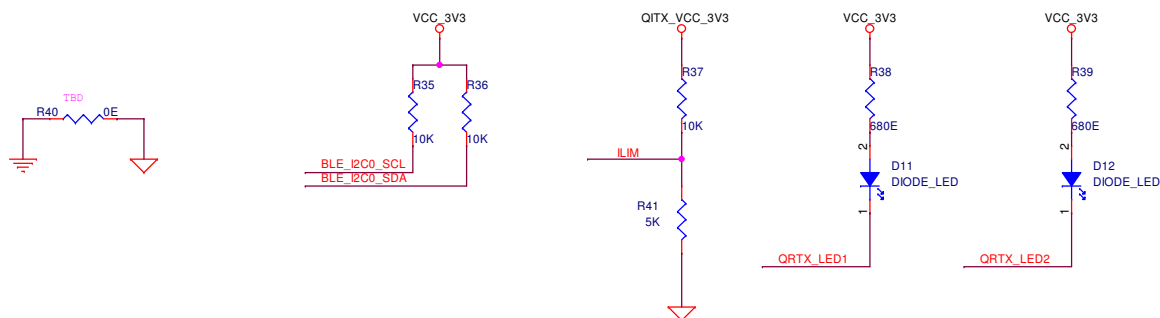
Low Pass Filter



Peak Detector

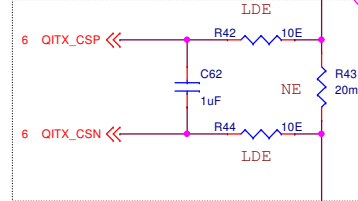


Wireless Power Status LEDs



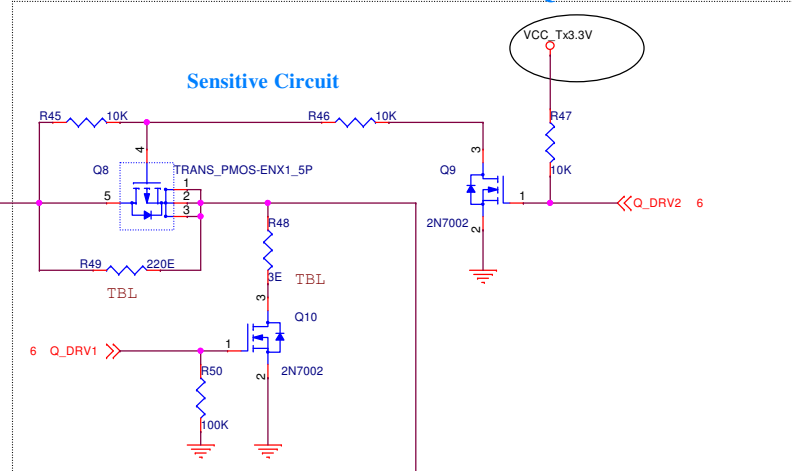
Wireless Power Transmitter - H Bridge

Current Sense

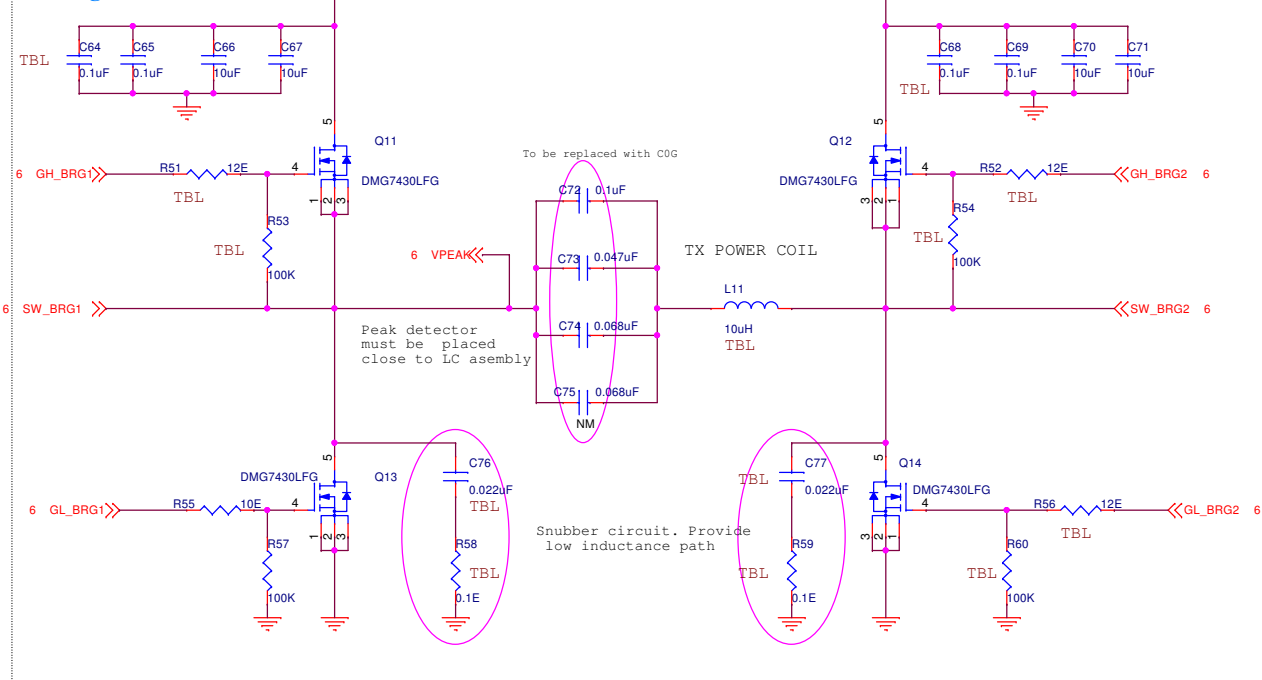


Must be placed exactly back to back to reduce audible noise.

Q-Factor Measurement



H-Bridge



A3	Title : WIRELESS POWER TRANSMITTER2	
Asy No : 701-1-00683		Rev: A0-01
Fab No : 501-1-00591		Sheet 7 of 8

MISCELLANEOUS

BPCB1



BARE_PCB

Z1



FXP73.07.0100A

FD1



Global

FD2



Global

FD3



Global

FD4



Global

NO PART AVAILABLE