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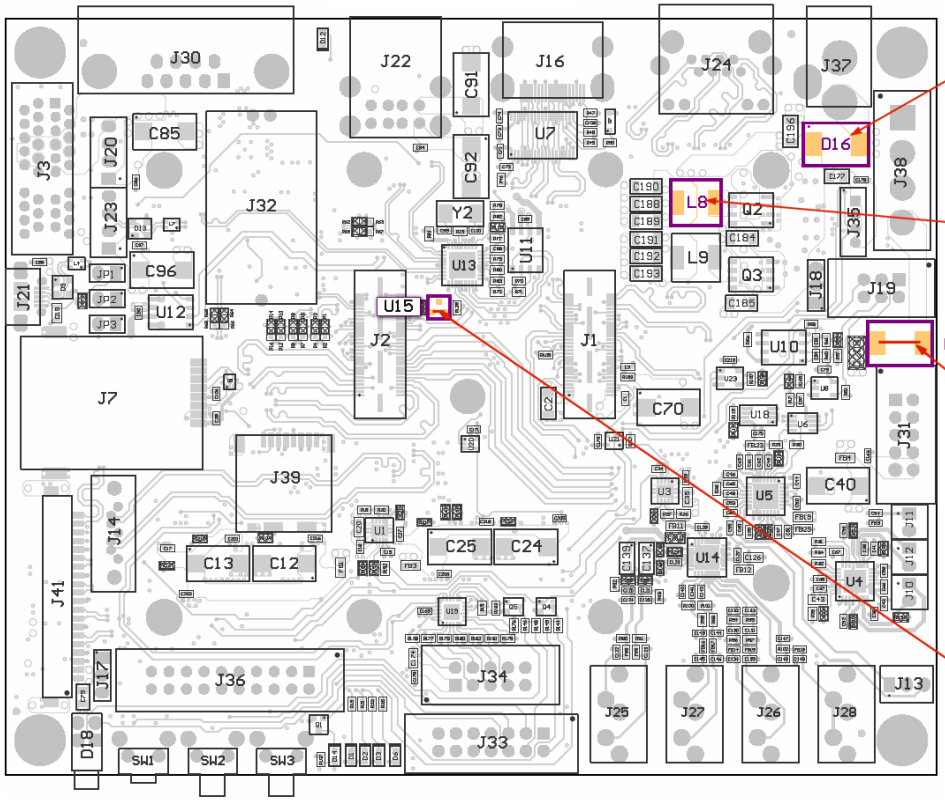
How to modify iMX6 Rex Baseboard and iMX6 Rex Module to support 5V power supply

IMPORTANT!

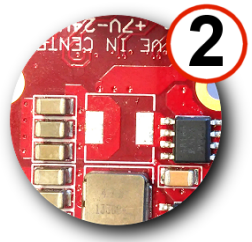
It is required the Baserboard and the Module were fitted with component **ISL6236AIRZ** on possitions:

- Baseboard possition U22
- Module possitions U11 and U13

TOP SIDE

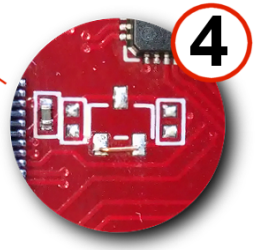


► Unsolder diode on possition D16.



► Unsolder inductor on possition L8.

► Bridge touch pads on possition D20.



► Bridge touch pads 1 and 2 on possition U15.
(Signal EN_5V to GND)

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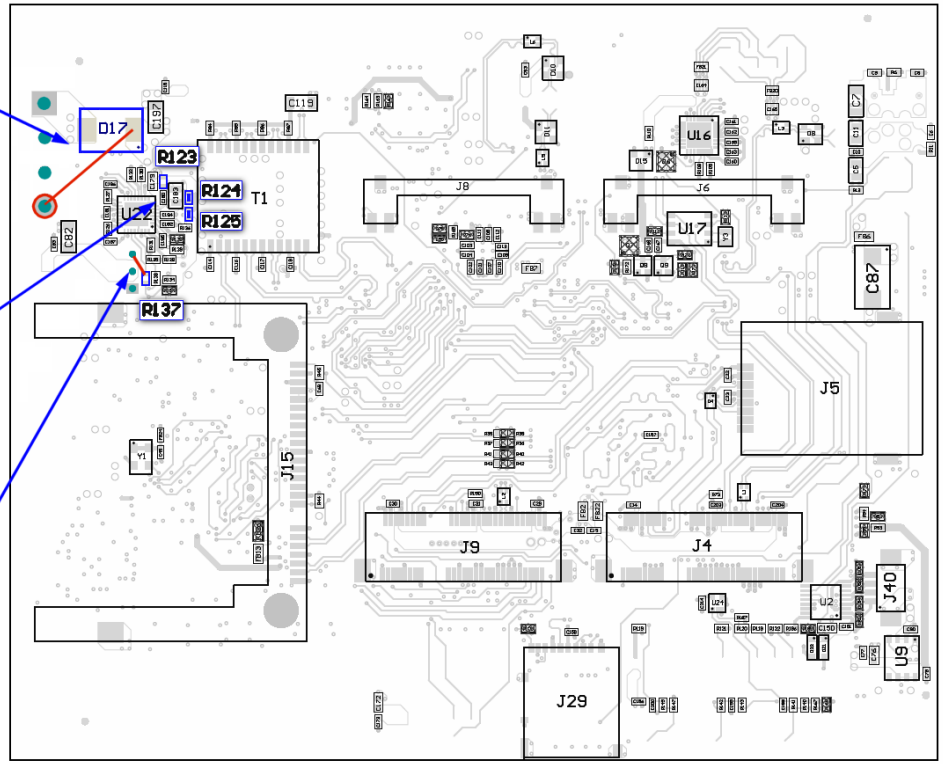
- ► Unsolder diode on possition D17.
- ► Bridge touch pad +VIN (D17) with ATX power connector (J38) +5V pin-4 by jumper wire.

- ► Unsolder resistor on possition R123.
- ► Solder resistor 0R on possition R124.
- ► Solder resistor 10R on possition R125.

- ► Unsolder resistor on possition R137.
- ► Bridge R137 touch pad POK_5V with +5V pin-3 on jumper J18.

BOTTOM SIDE



IMPORTANT!

It is recommended to test the baseboard without the module.

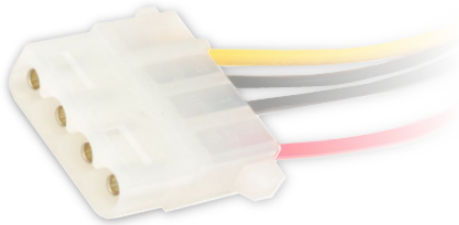
Measure the voltage to control + VIN is 5 Volts.

The other voltage is being maintained as set out in Scheme.

Check if an upper green POK LED light on possition D18 lights.

If yes, all sources are turned on the iMX6 Rex Baseboard.

To power the board, use ATX connector on possition J38.



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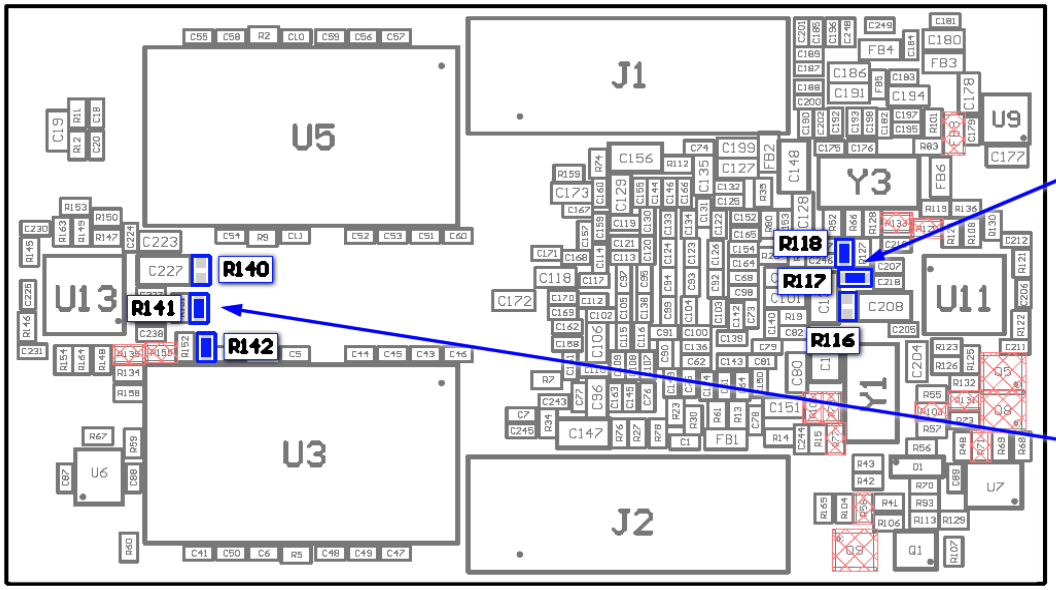
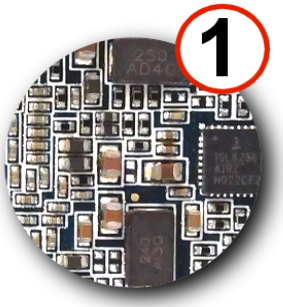
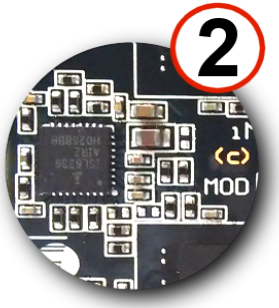
BOTTOM SIDE





- ► Unsolder resistor on possition R116.
- ► Solder resistor 0R on possition R117.
- ► Solder resistor 10R on possition R118.



- ► Unsolder resistor on possition R140.
- ► Solder resistor 0R on possition R141.
- ► Solder resistor 10R on possition R142.

BE AWARE: ***Do not insert the regulated 5V module into a standard 7 - 24V iMX6 Rex Baseboard !!!***
Modified 5V module would be destroyed !!!

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