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1 Mainboard

1.1 MCU

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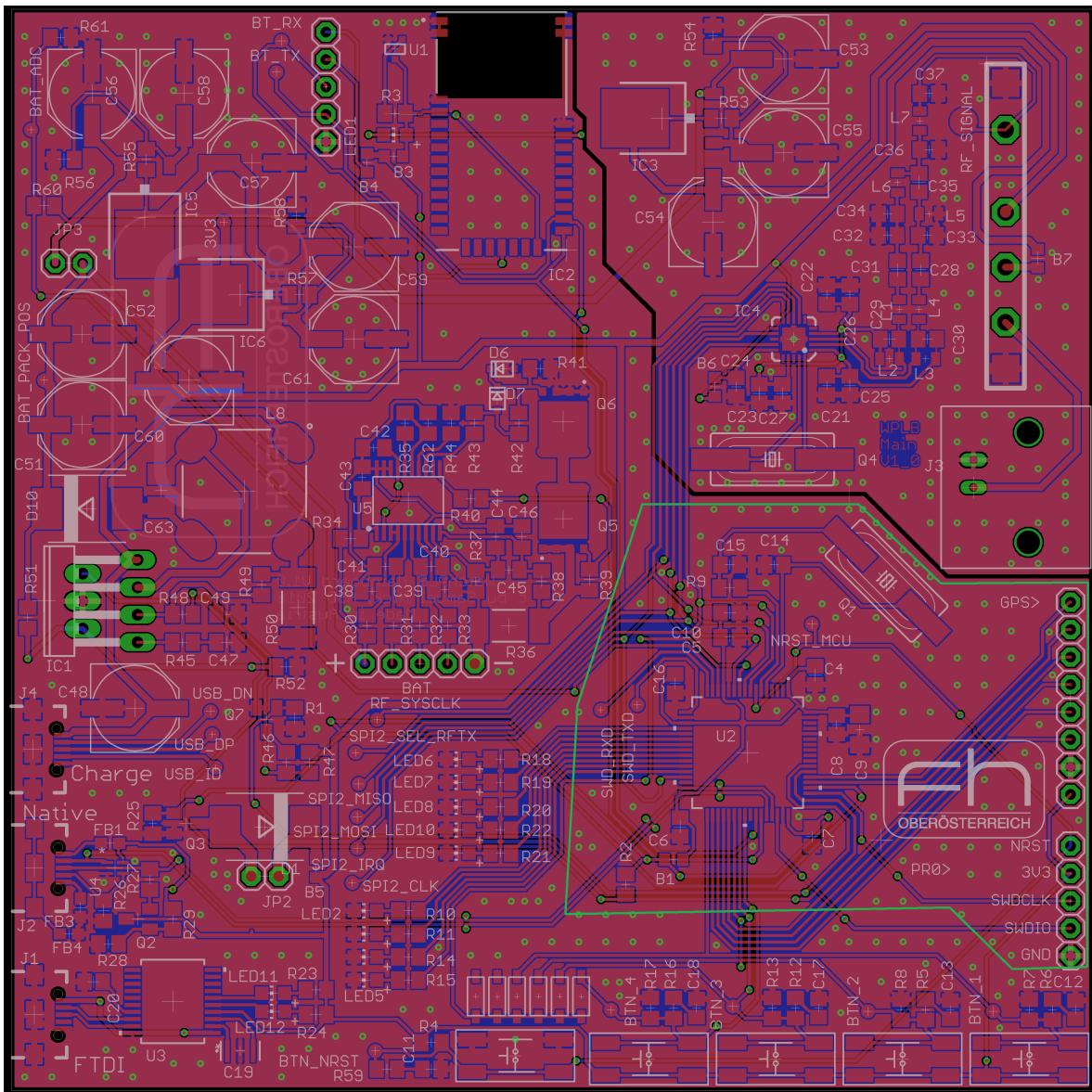


Abbildung 1: Hauptplatine, Baugruppe MCU grün umrahmt

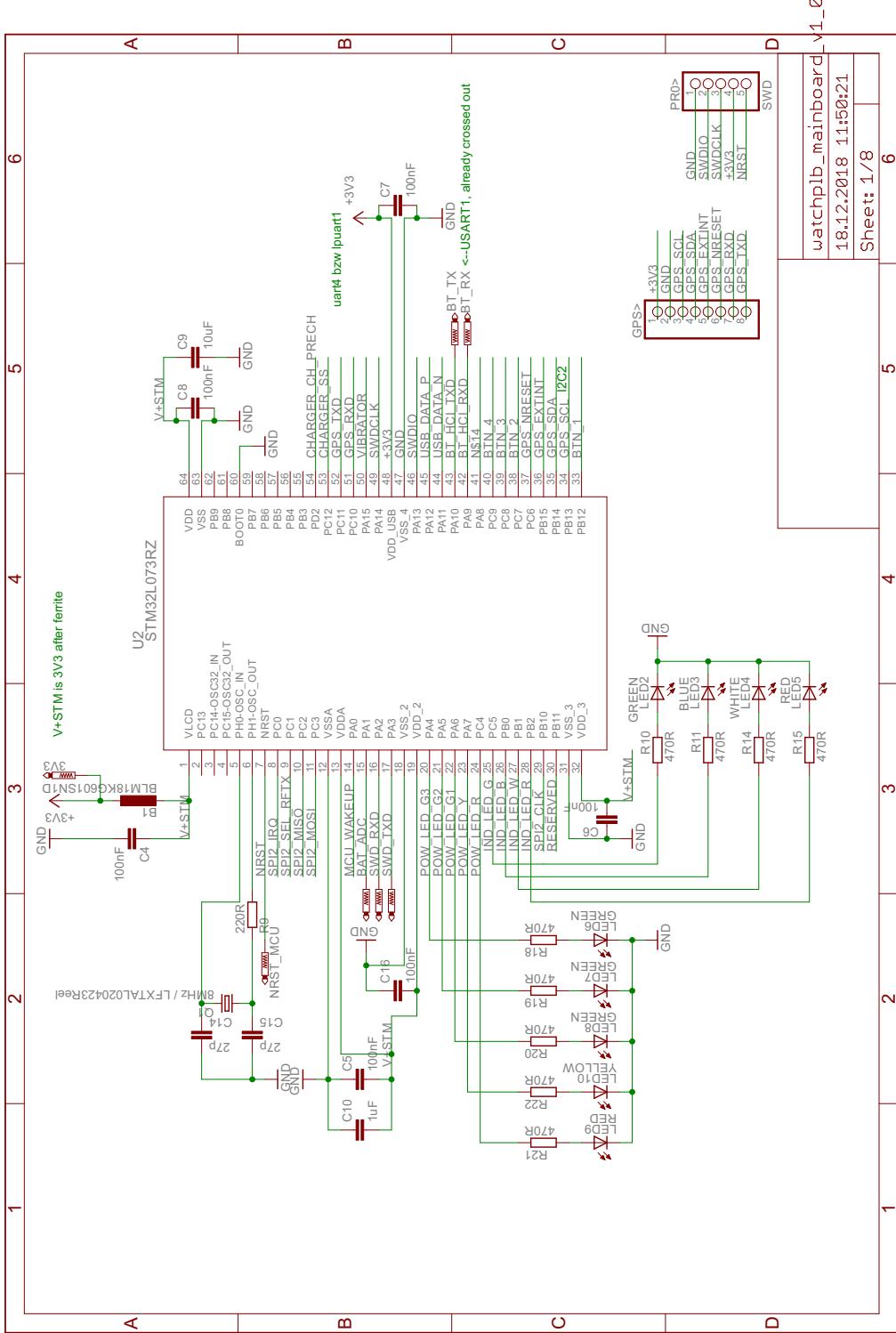
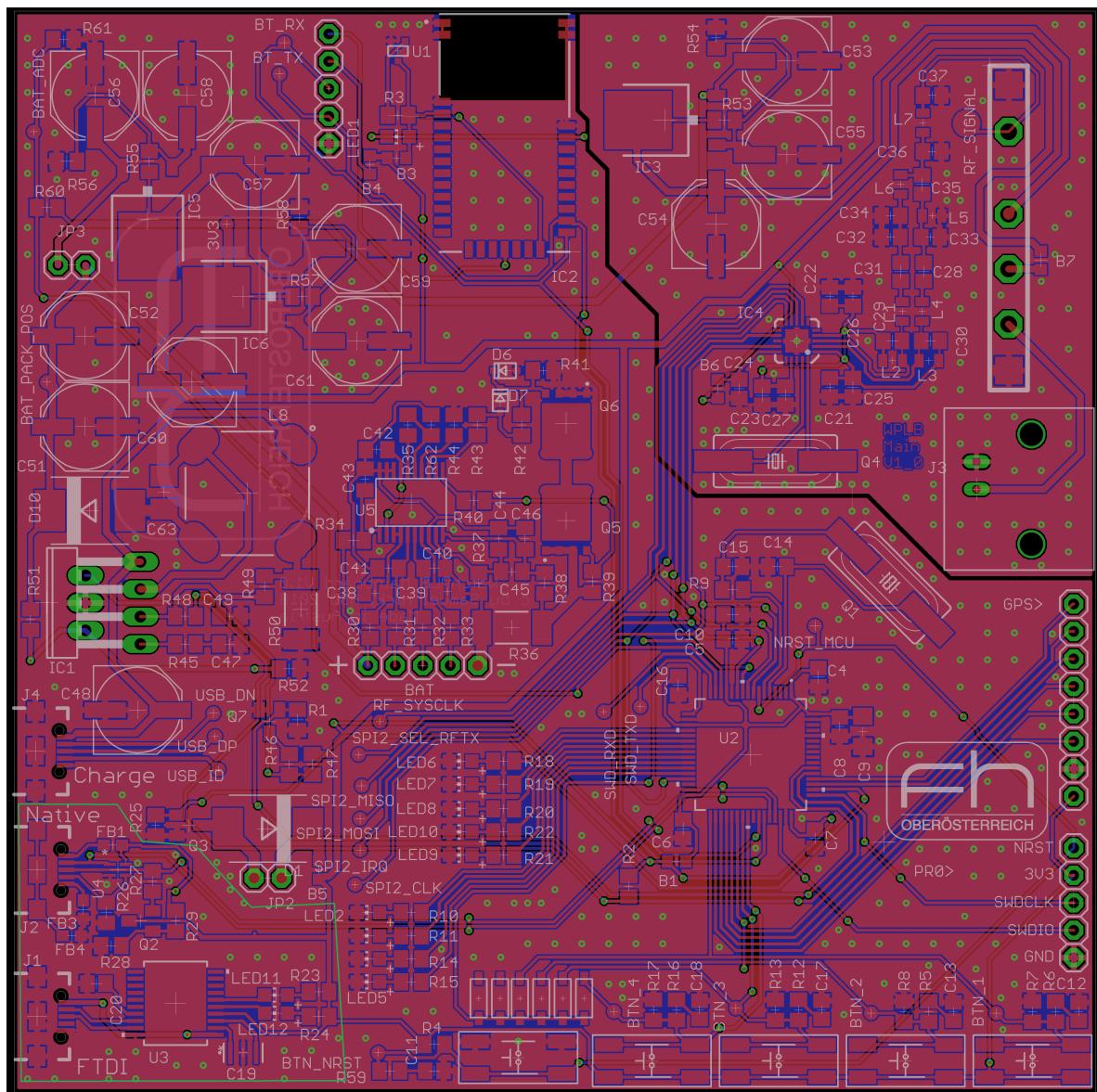


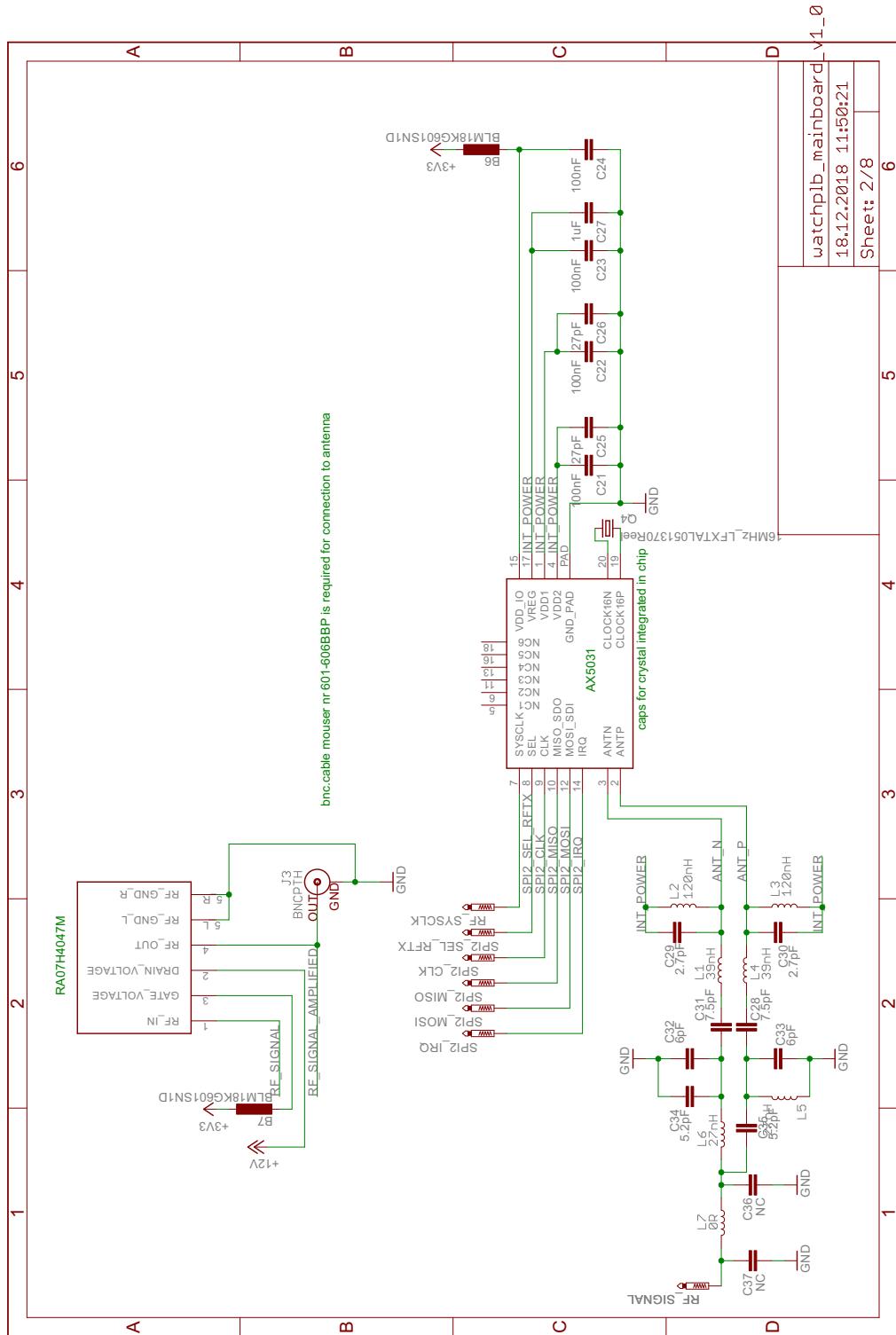
Abbildung 2: Schaltplanteil Mikrocontroller STM32L073RZ

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1.2 Debug

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1.3 Funk

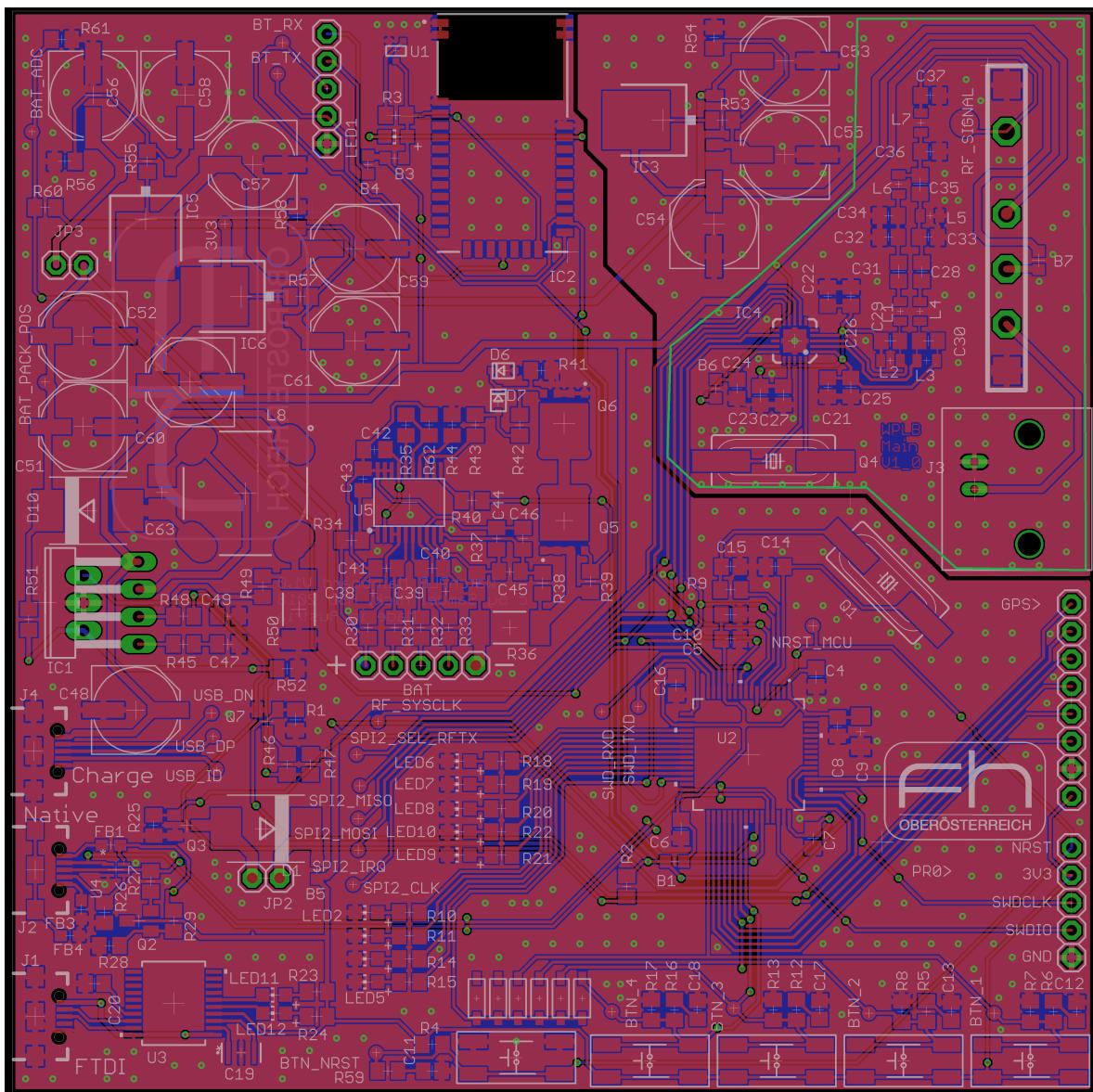
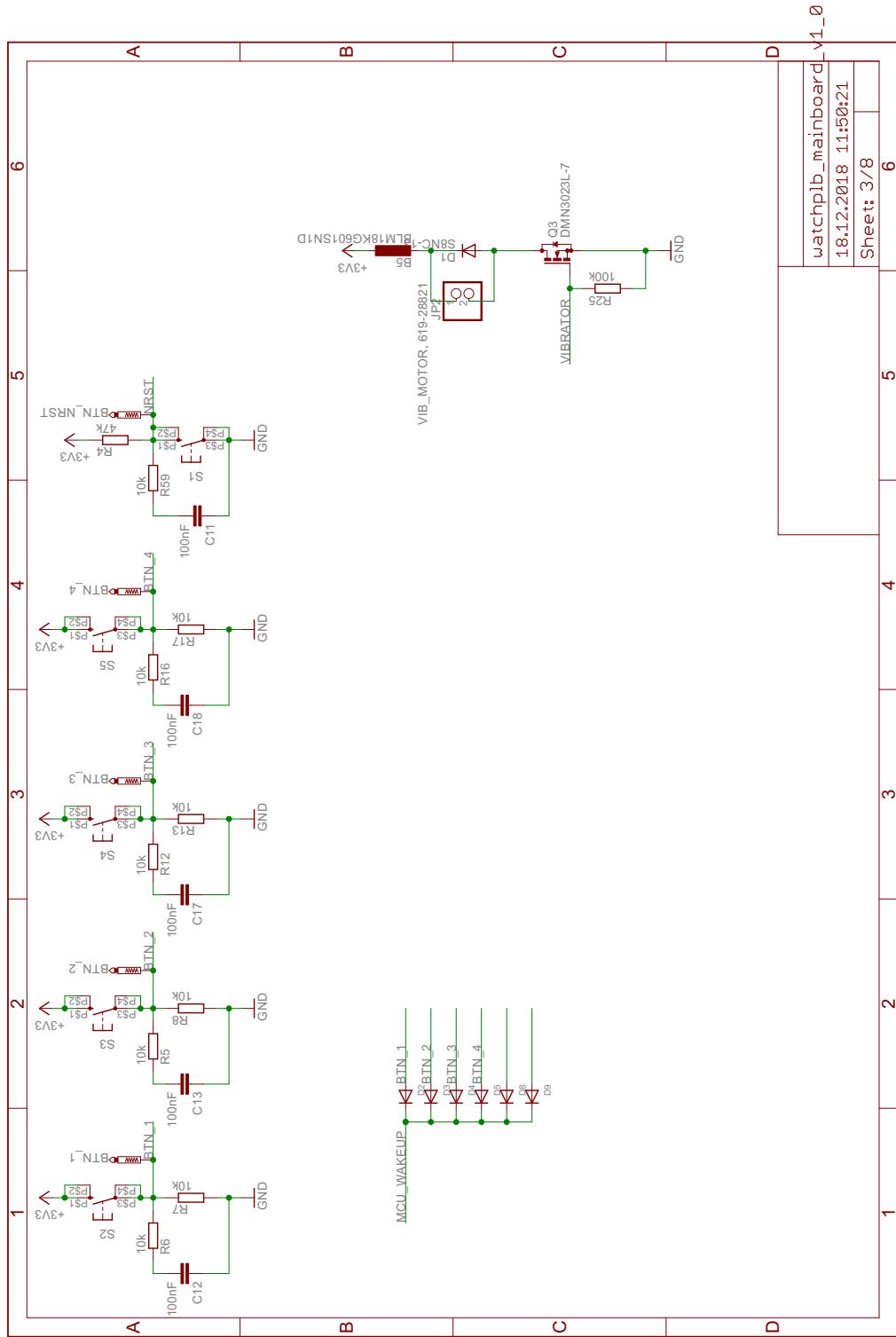


Abbildung 5: Hauptplatine, Baugruppe Funk grün umrahmt



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Abbildung 6: Funk

1.4 Buttons

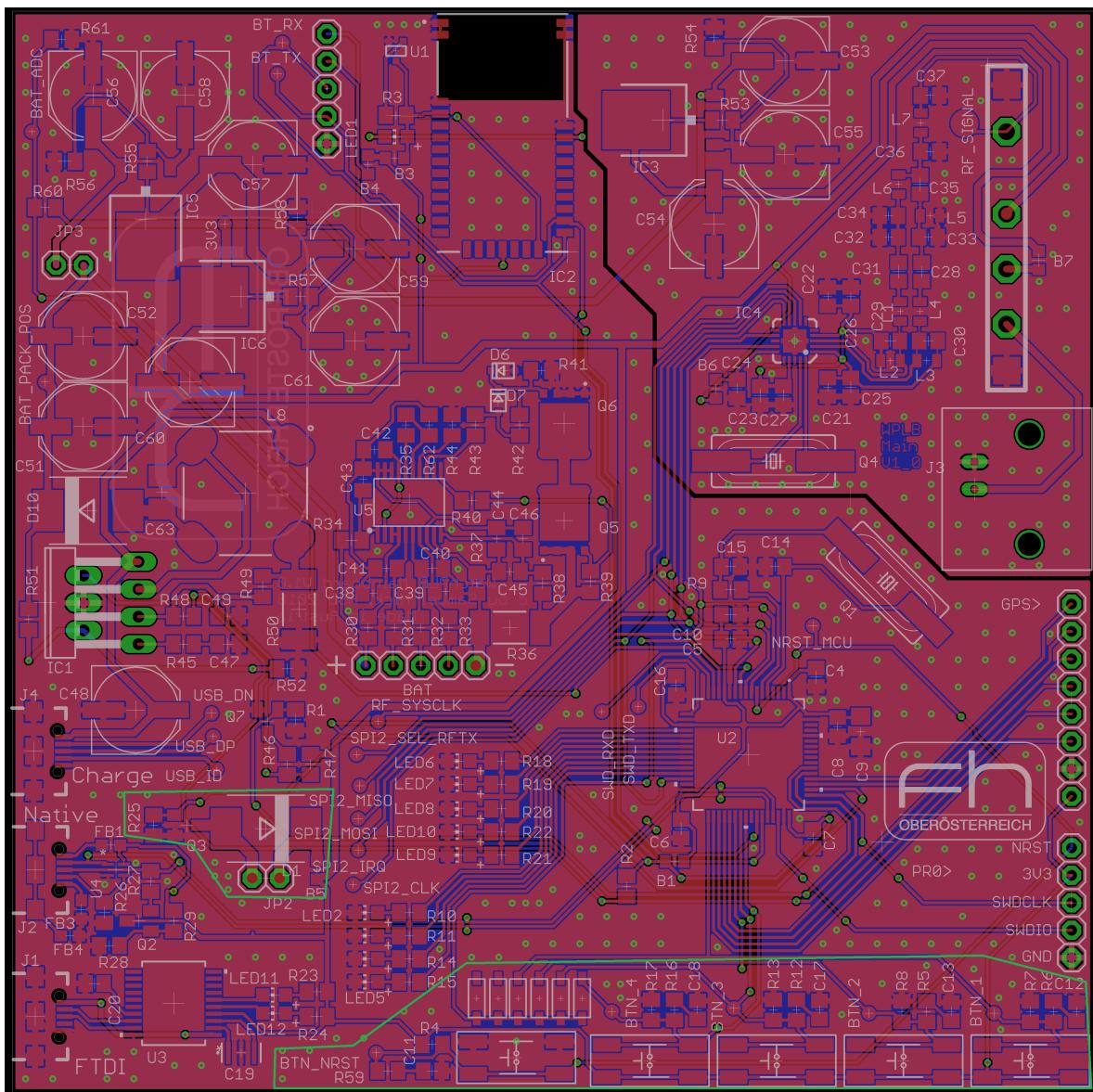
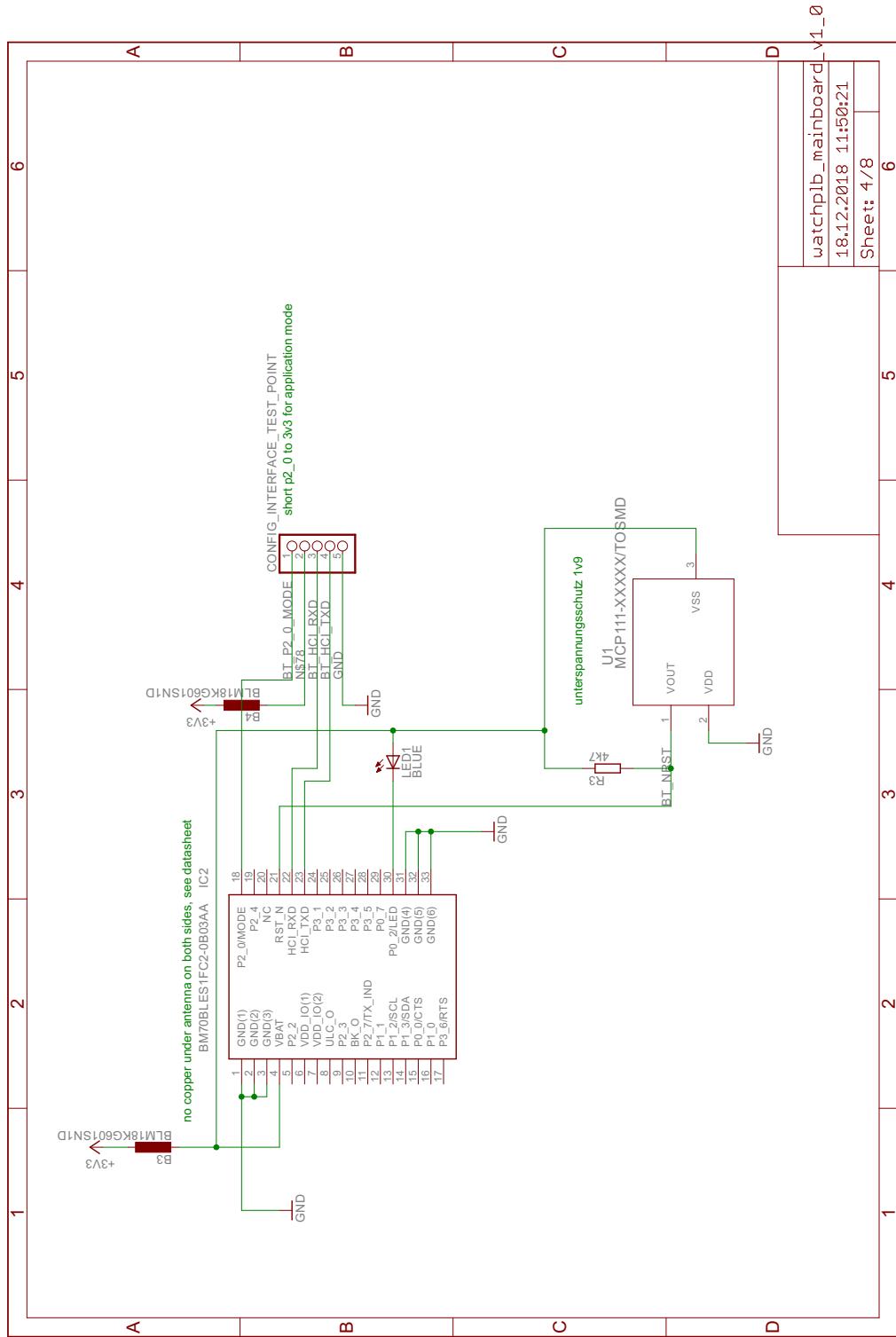


Abbildung 7: Hauptplatine, Baugruppe Buttons grün umrahmt



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1.5 Bluetooth

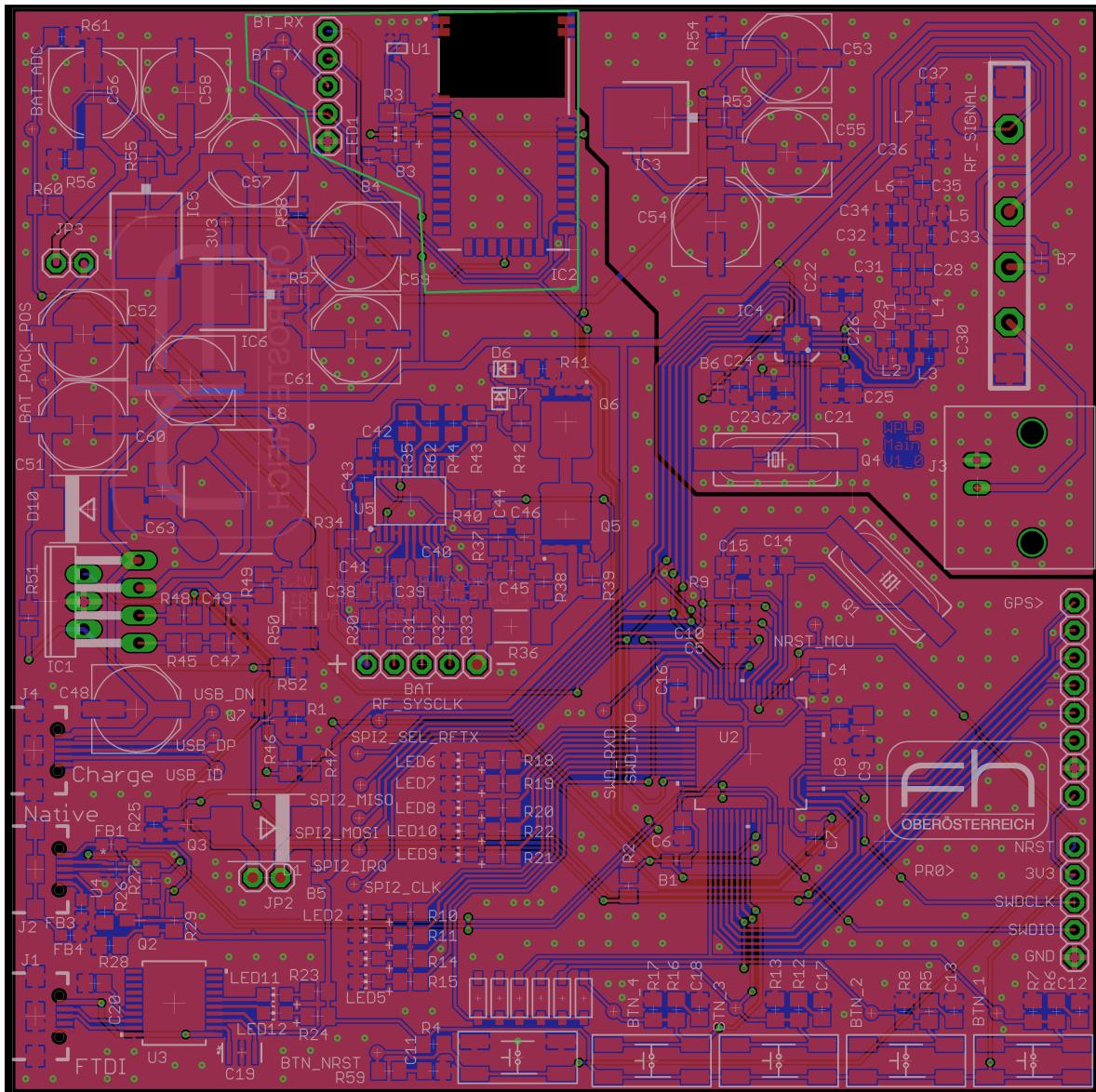


Abbildung 9: Hauptplatine, Baugruppe Bluetooth grün umrahmt

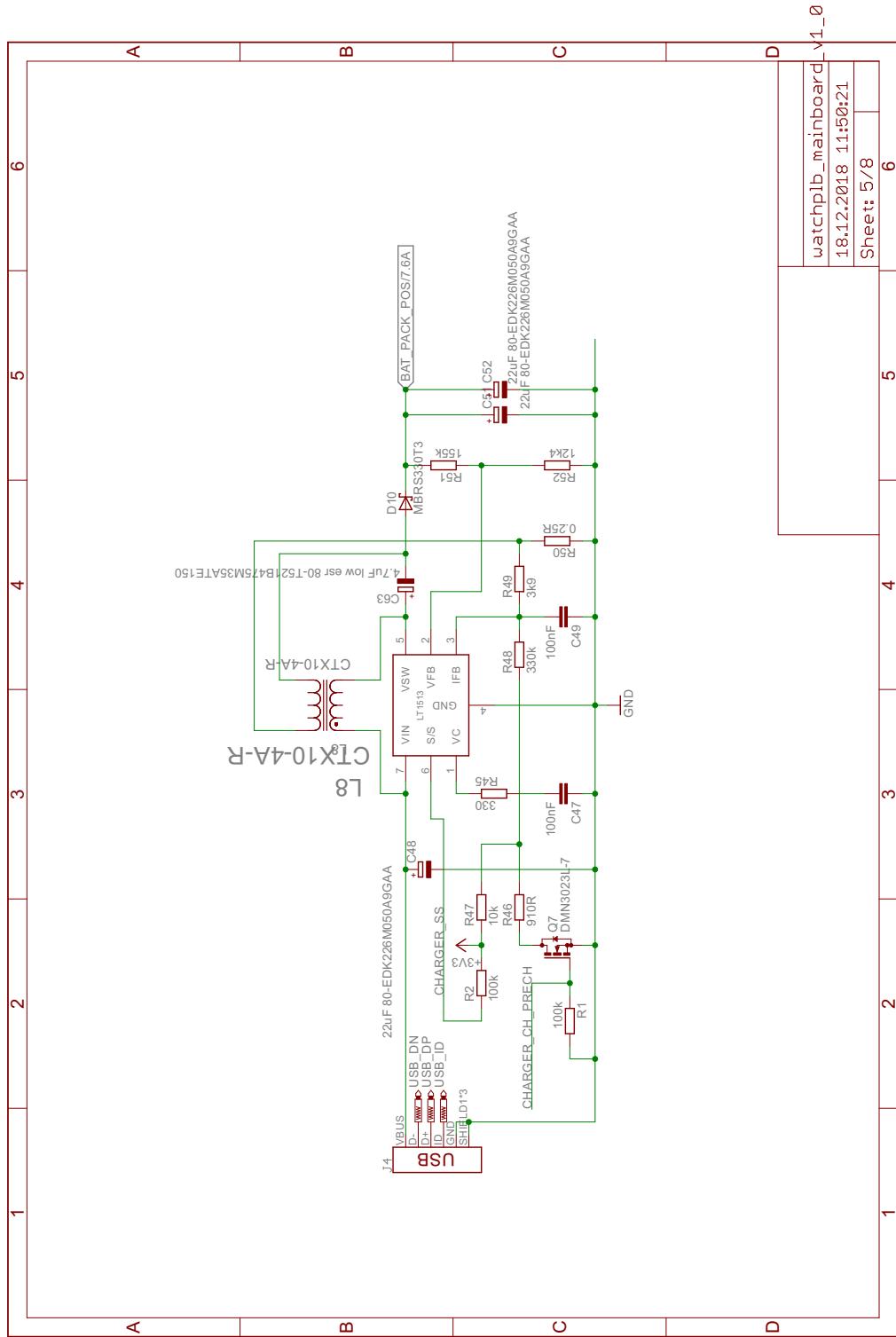


Abbildung 10: Bluetooth-Modul

1.6 Charge

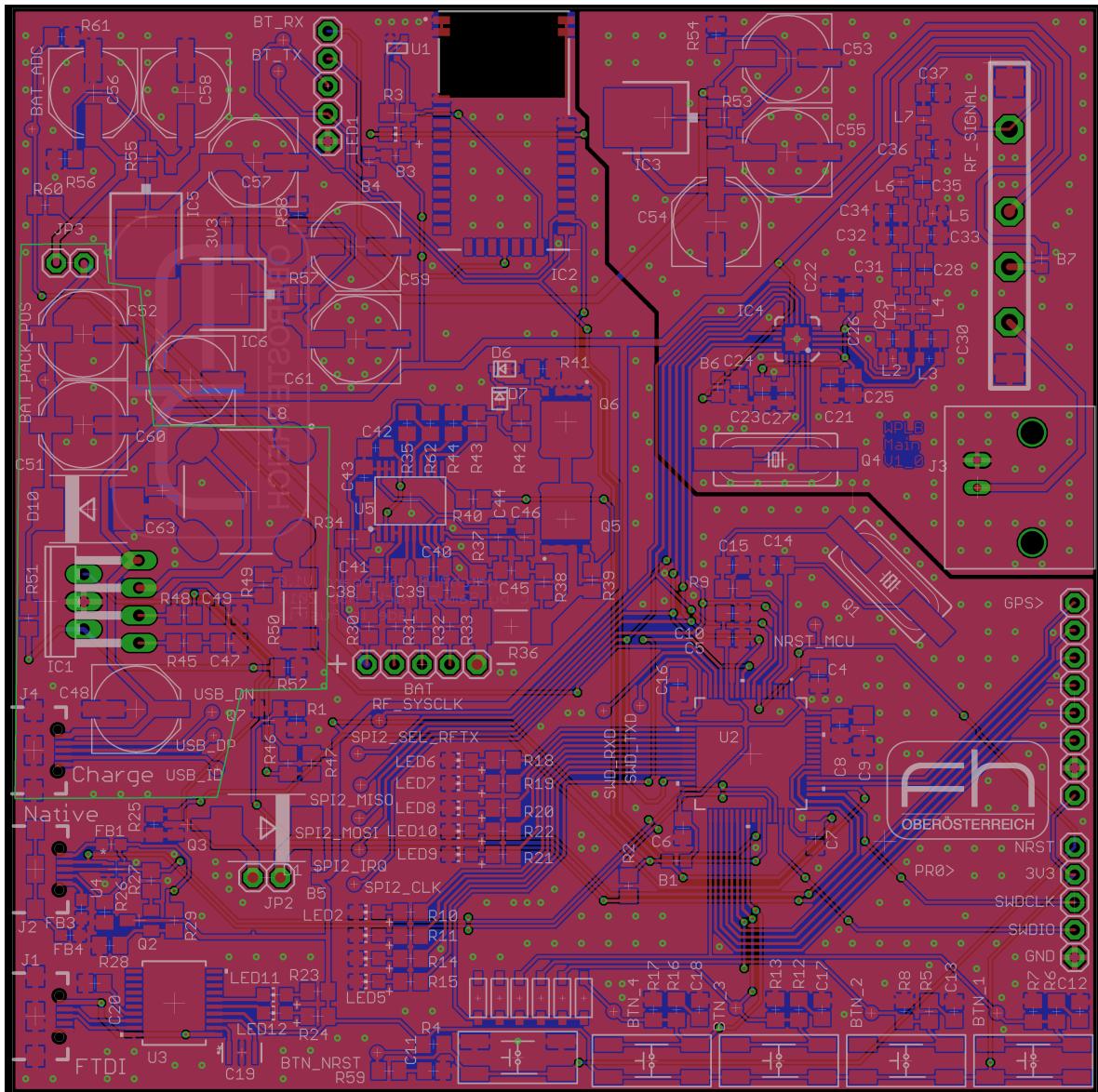
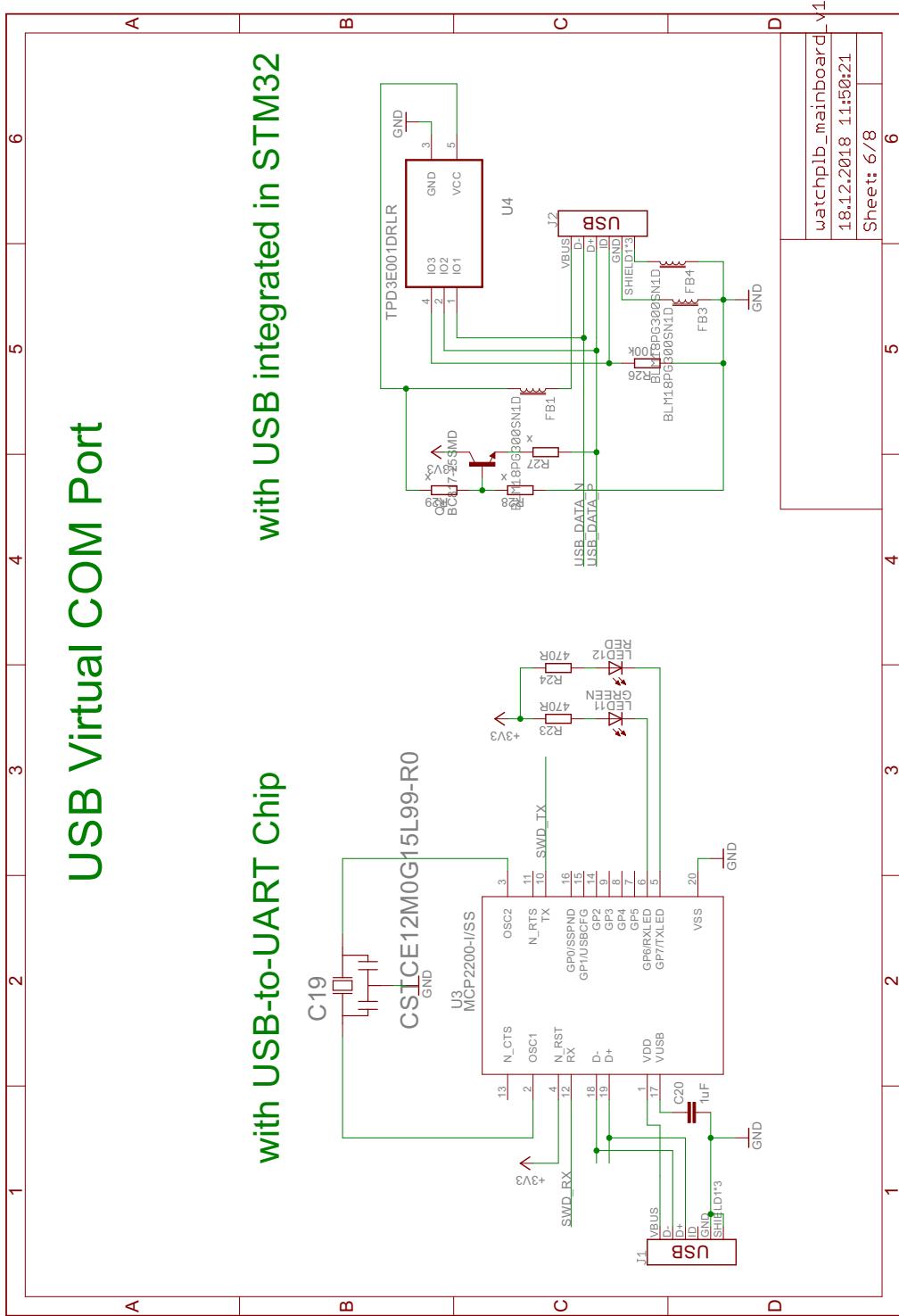


Abbildung 11: Hauptplatine, Baugruppe Charge umrahmt

USB Virtual COM Port

with USB-to-UART Chip
with USB integrated in STM32



1.7 Battery Protection

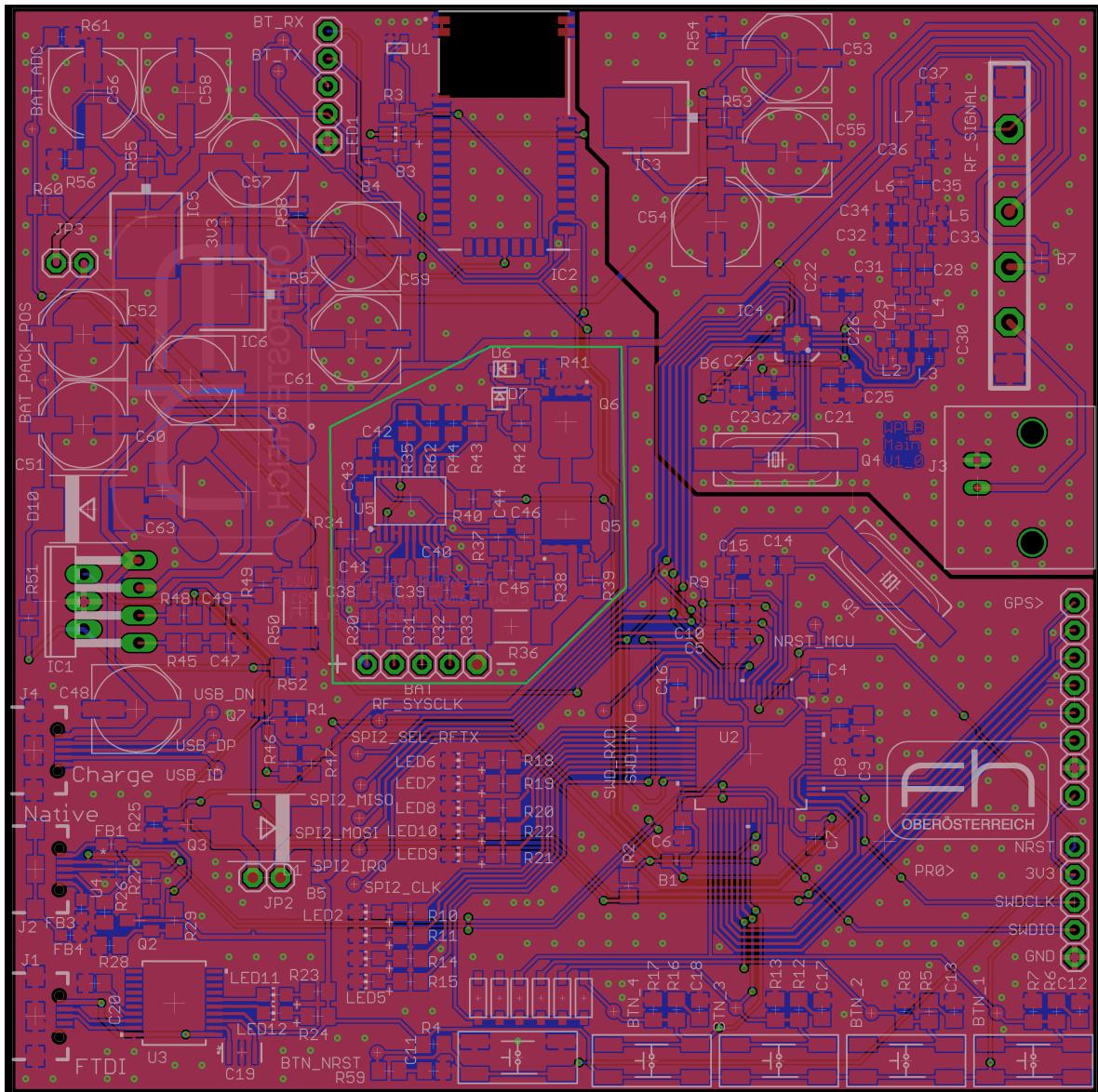


Abbildung 13: Hauptplatine, Baugruppe Battery Protection umrahmt

Battery Protection

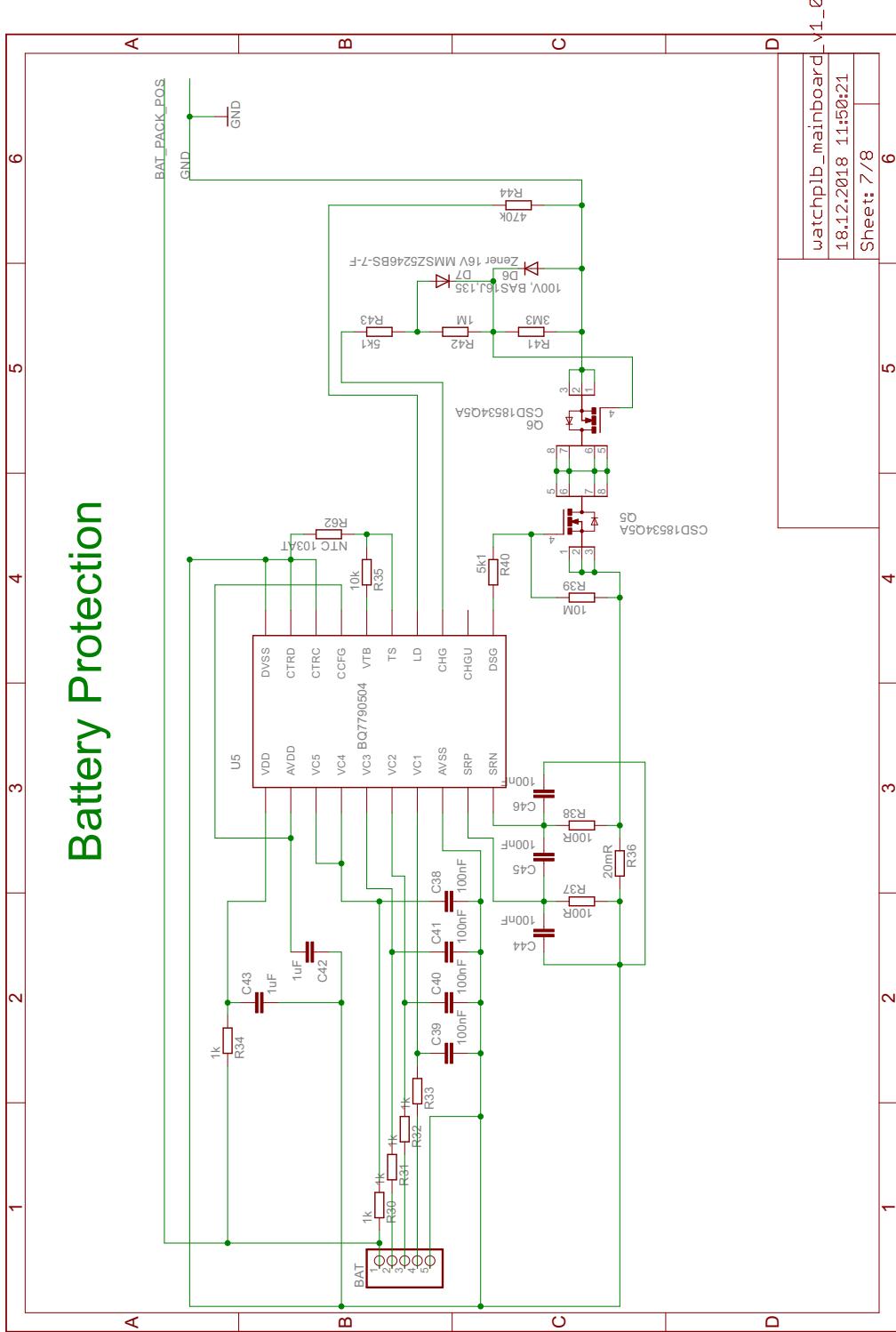


Abbildung 14: Lithium-Ionen-Akku Schutzschaltung

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1.8 Voltage Regulator

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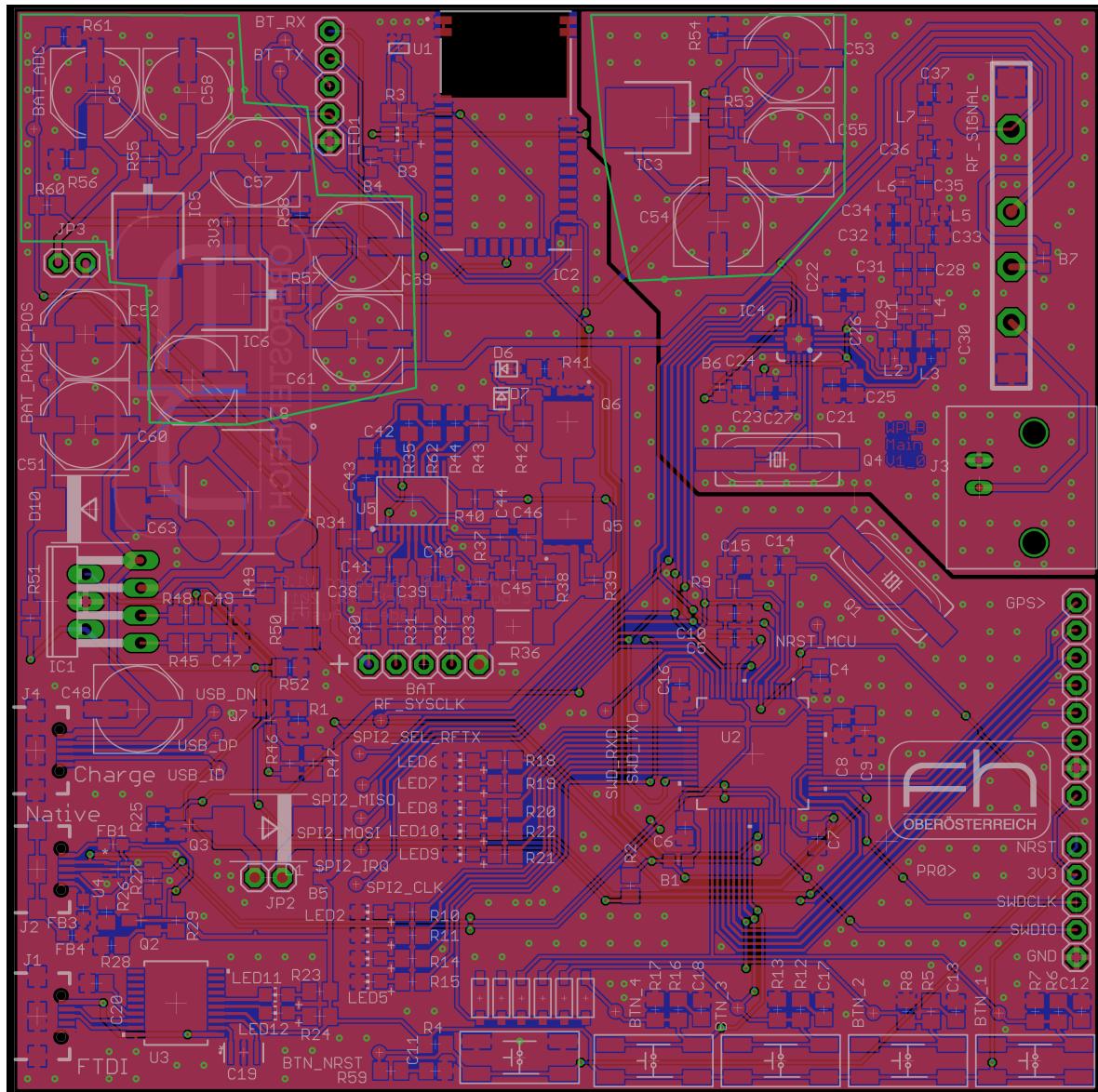


Abbildung 15: Hauptplatine, Baugruppe VREG umrahmt

Linear Voltage Regulators

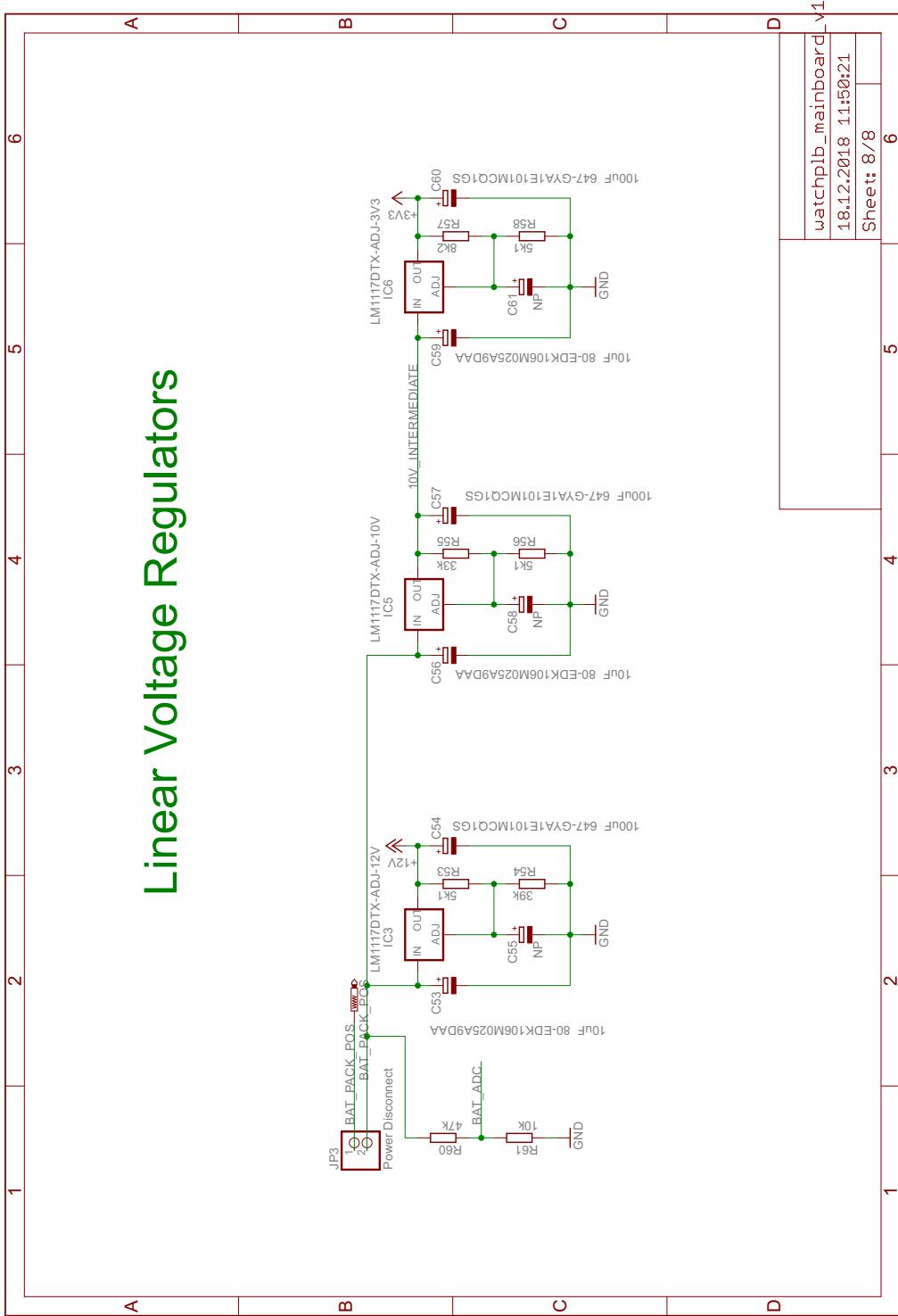


Abbildung 16: Spannungsregler

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2 GPS-Board

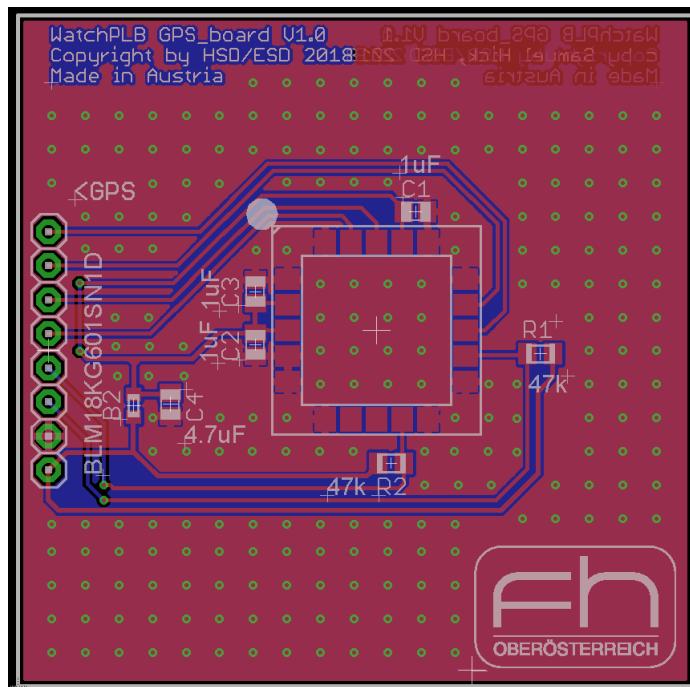


Abbildung 17: Platine des GPS-Moduls

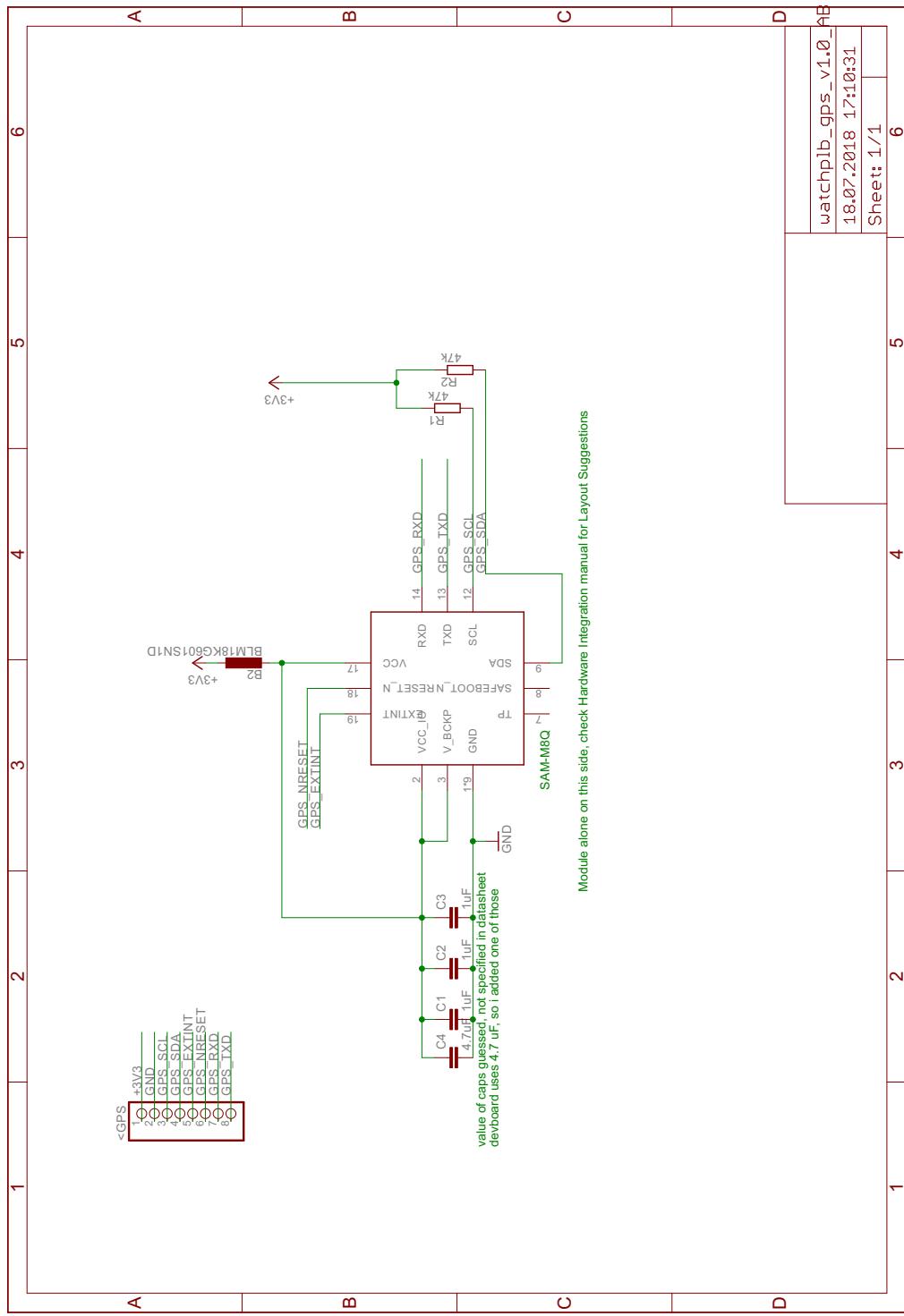


Abbildung 18: GPS-Modul