

Input from 14 SunPower C60 (0.22m²)
 - 0.6V MPP 0.7V OC
 - 5.7A MPP 6.0A CC

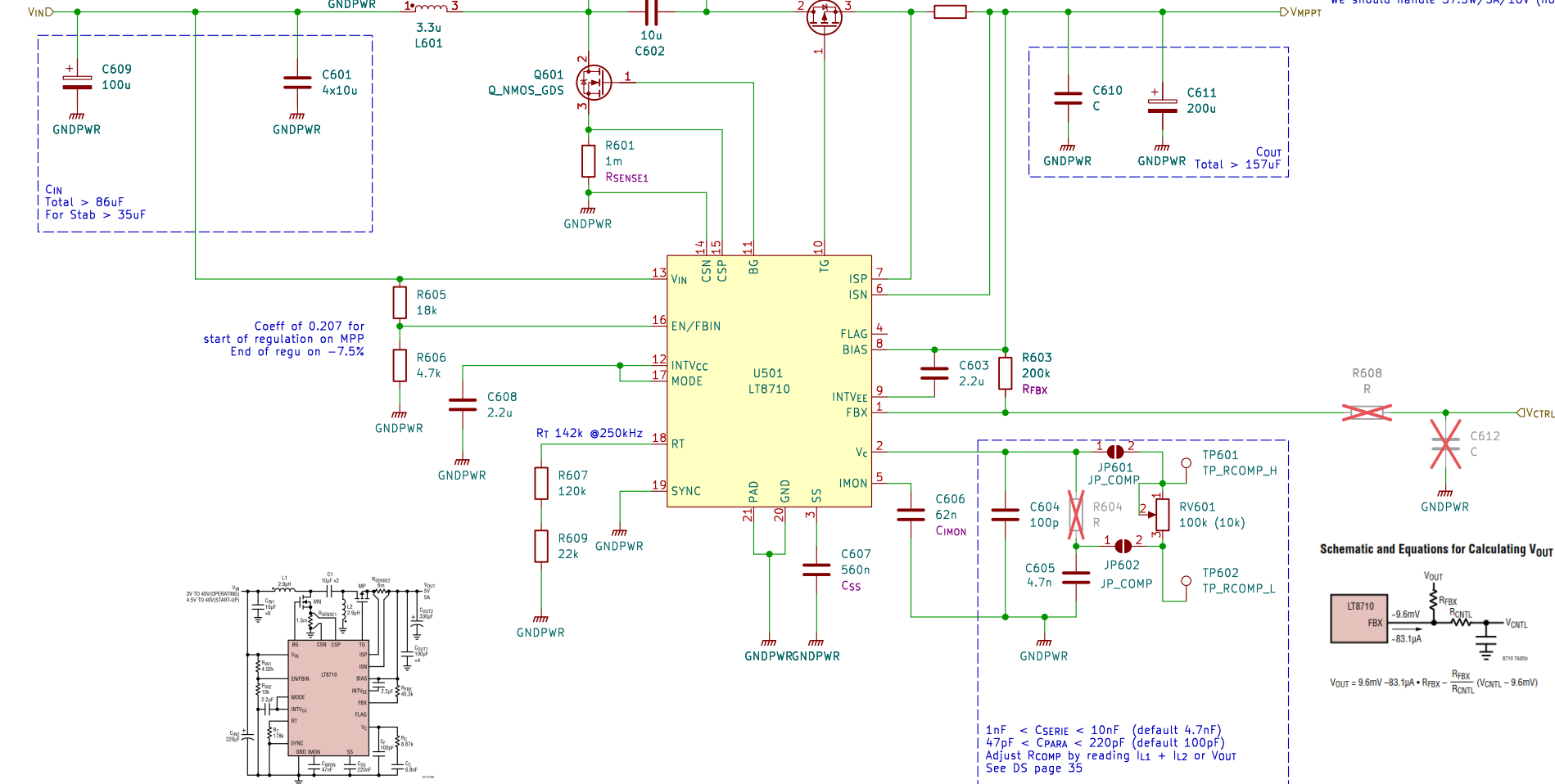
Given 80% sunlight from France:
 Nominal 8.0V @ 4.7A (37.5W)

Calculated peak I_L is 9.35A

Target output is 18V
 Therefore, at most, 2.2A @ 18V

Using max cell current when caps discharged (5A)

We should handle 37.5W/5A/18V (not all same time)



Defis solaires 2024

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Sheet: /PSU/Input PSU/

File: power_supply_core_lt8710.kicad_sch

Title: MPPT PSU - Core boost converter

Size: A4

Date: 2023-04-05

KiCad E.D.A. kicad 7.99.0-3676-g2604854221

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