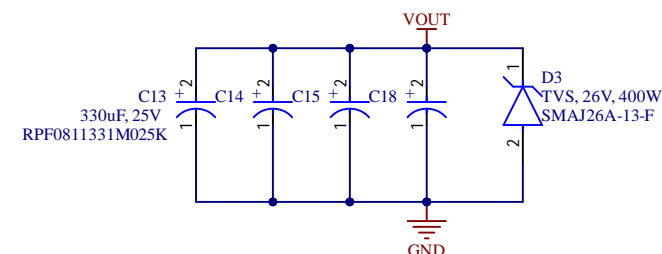
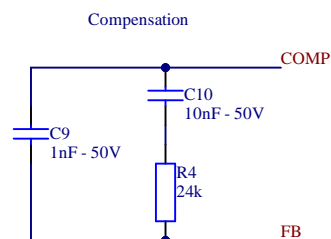
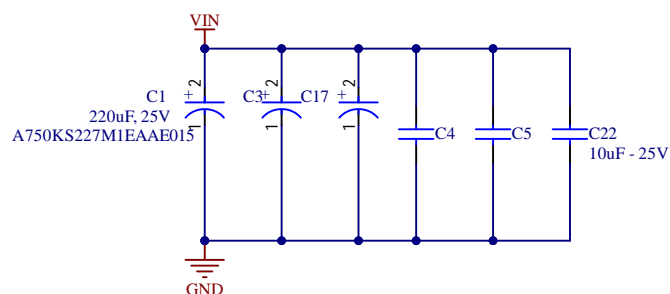
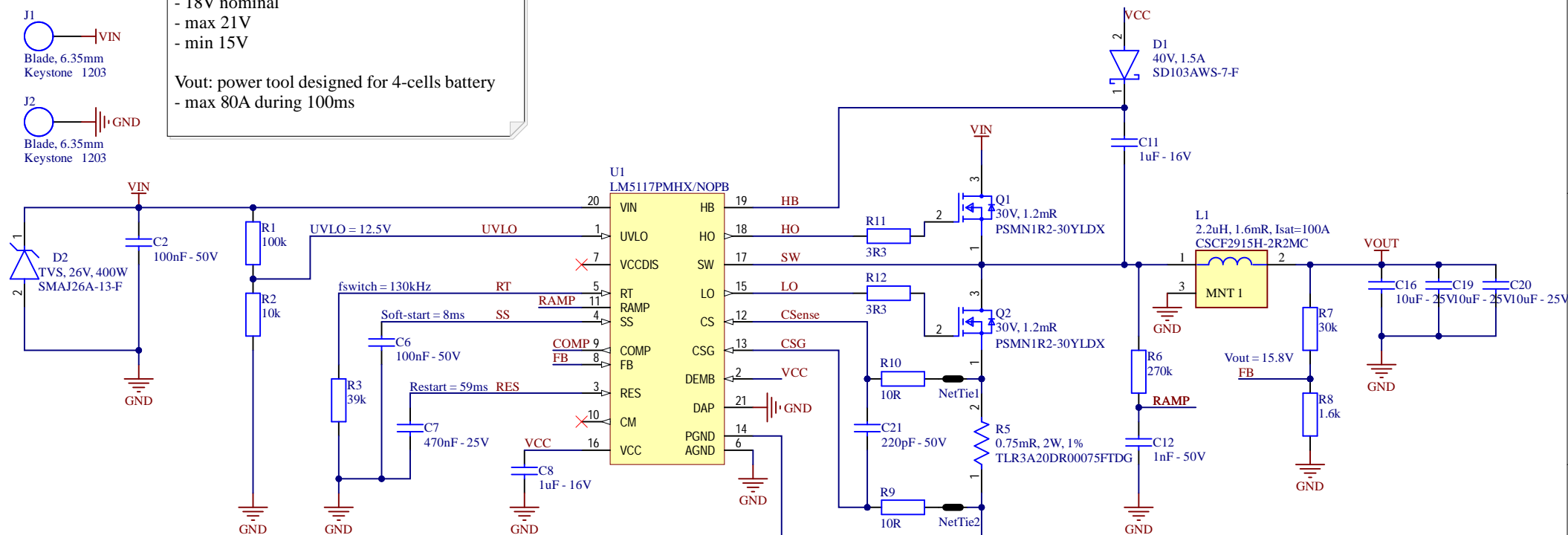


J1
Blade, 6.35mm
Keystone 1203

J2
Blade, 6.35mm
Keystone 1203

- Vin : 5-cells Li-ion battery
 - 18V nominal
 - max 21V
 - min 15V
- Vout: power tool designed for 4-cells battery
 - max 80A during 100ms



Resistors tolérance: 1%
Capacitor: X7R, 10%

Alternatives U1
LM25117

Mosfet N:
 $R_{ds(on)} < 2\text{m}\Omega$
 $V_{ds} > 30\text{V}$
 $V_{gs} > 16\text{V}$
 $I_{ds} > 50\text{A}$
 Fast rising and falling time

Heatsink on bottom: Ansmann, V5619B
Thermal tape : TG-T1000-43-20-0.25-5PT



Reference No: HW-2509-001 BoschAdapter
Revision: 2
Drawn by: LSR
Date: 07.01.2026
File: HW-2509-001 BoschAdapter.SchDoc
Sheet 1 of 1