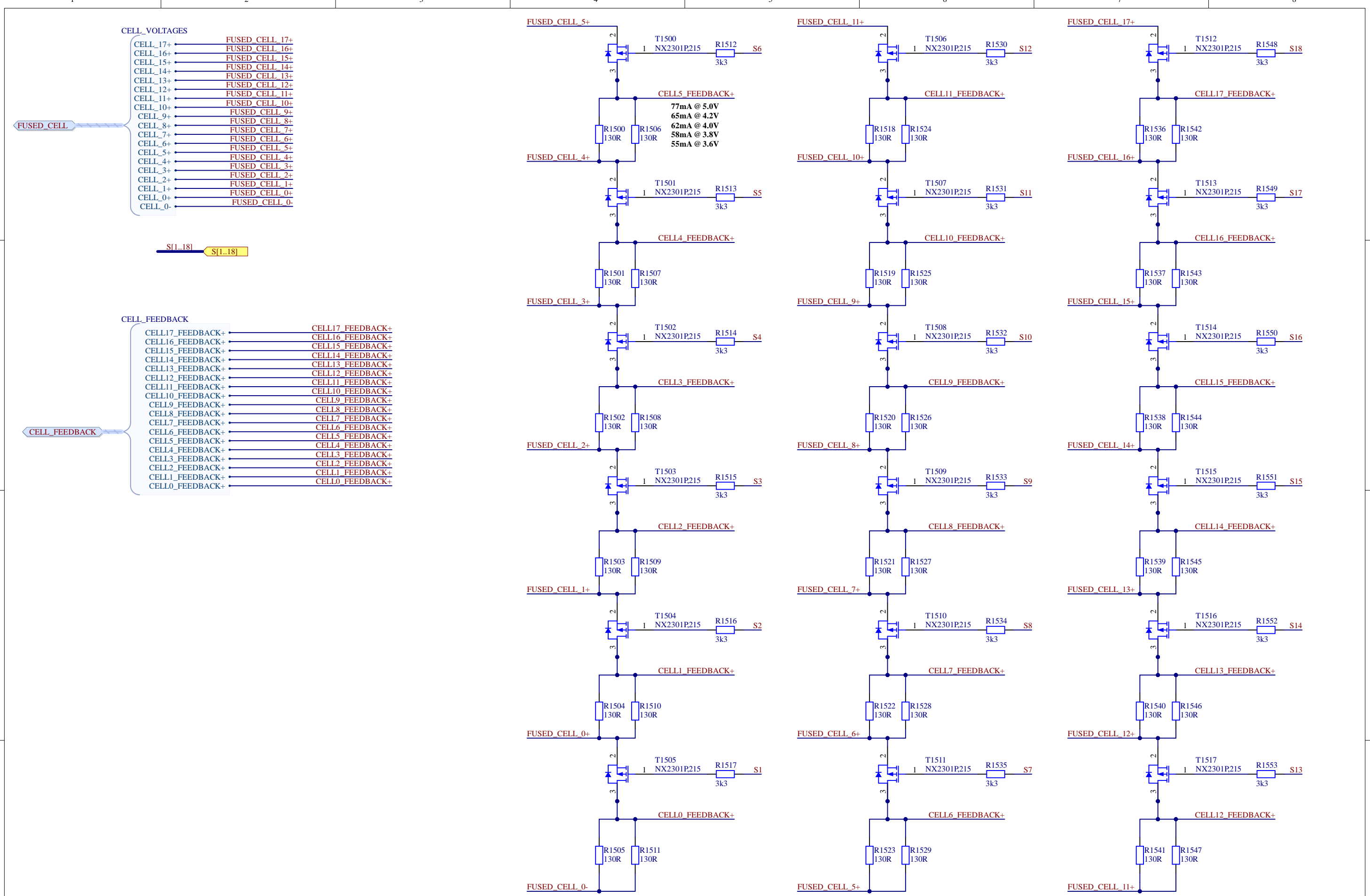


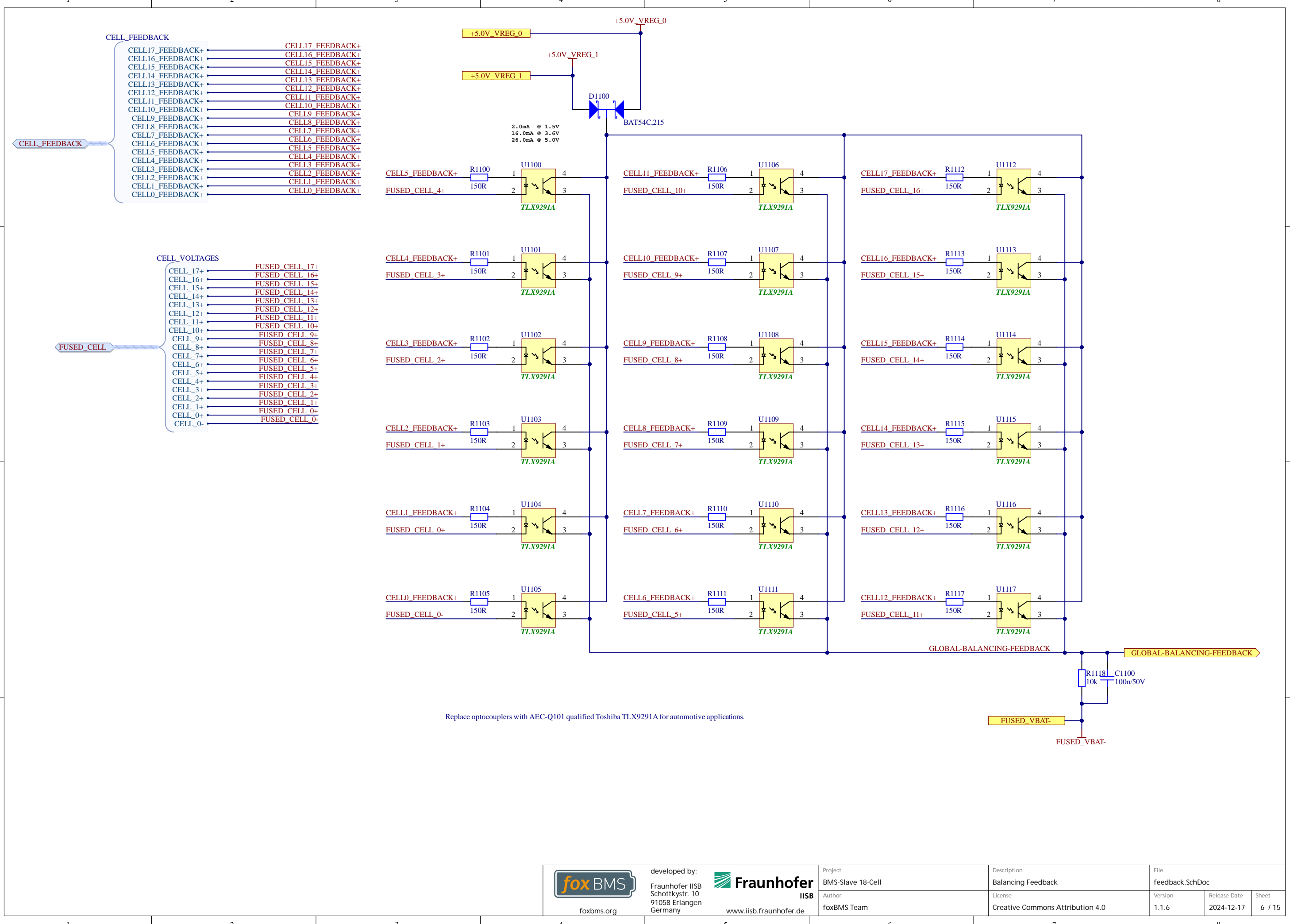
-3dB corner frequency of LTC6804 internal digital low-pass filter:
fast mode: 27kHz
normal mode: 6.8kHz
filtered mode: 26Hz

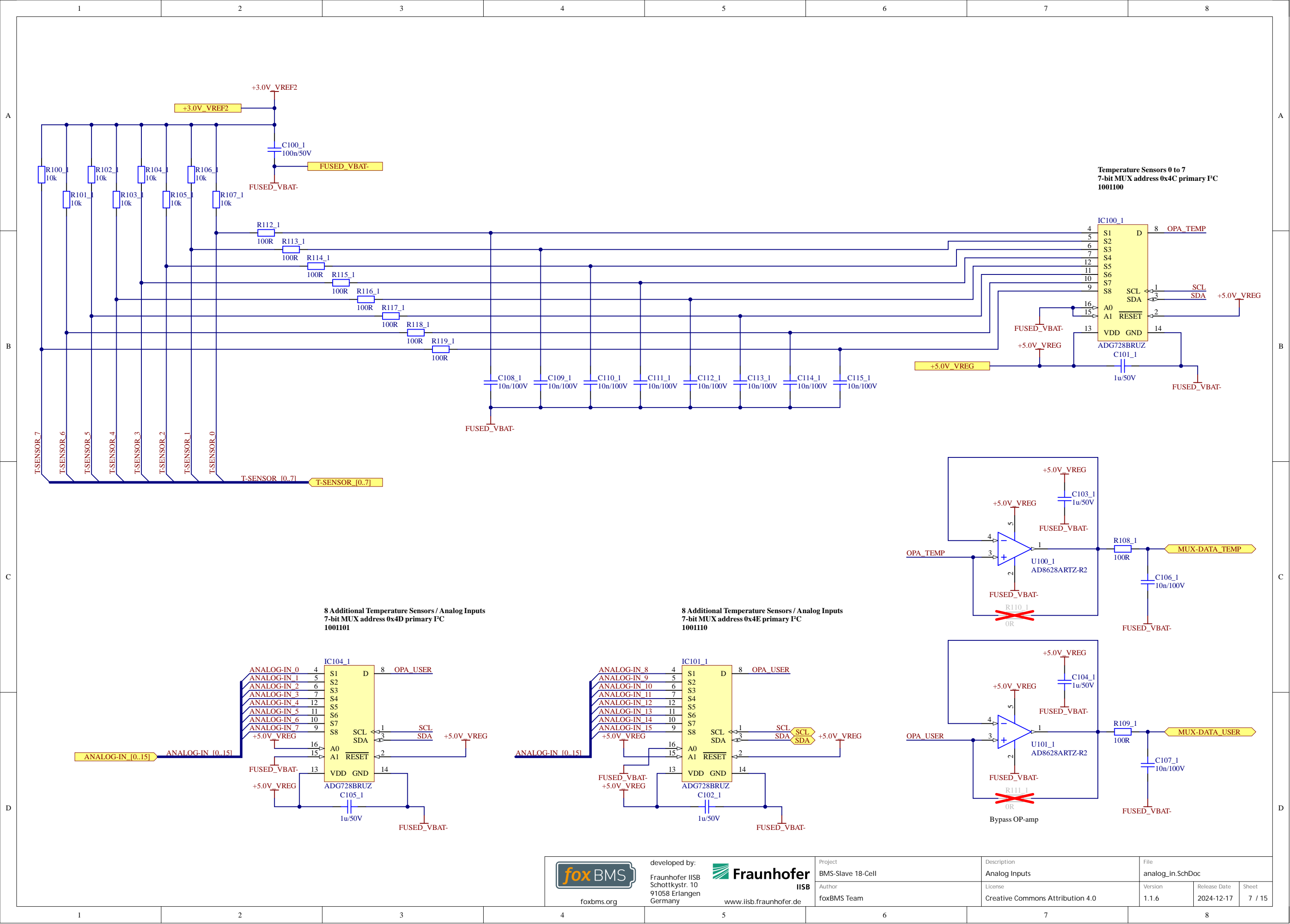
Grounded capacitor low-pass filter:
C = 100nF -> fg = 16kHz
C = 22nF -> fg = 72kHz
C = 10nF -> fg = 160kHz (recommended)

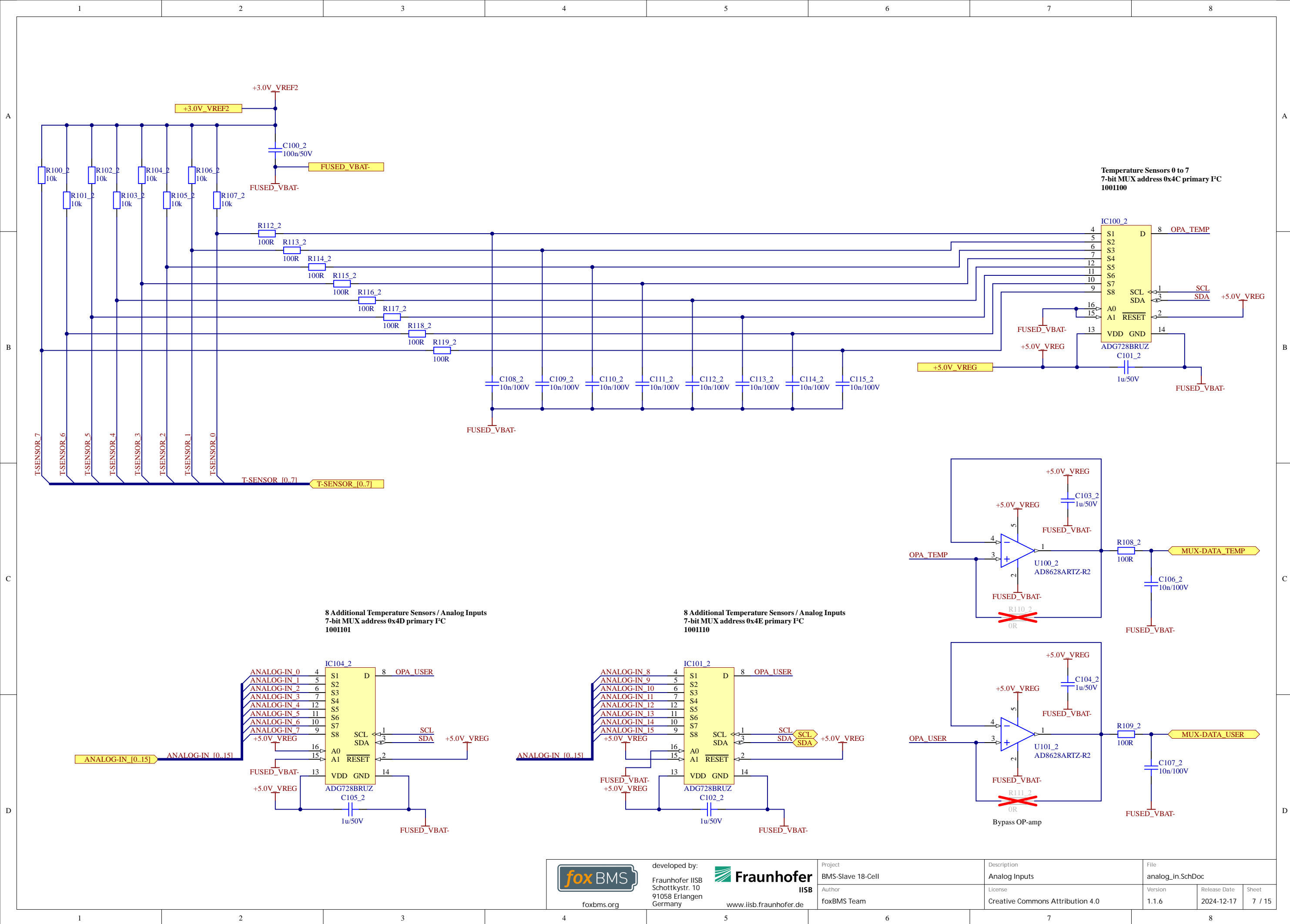
Differential capacitor low-pass filter (lower cost):
C = 100nF -> fg = 11kHz
C = 22nF -> fg = 50kHz
C = 10nF -> fg = 112kHz

- CELL_VOLTAGES
- CELL_17+ → FUSED_CELL_17+
 - CELL_16+ → FUSED_CELL_16+
 - CELL_15+ → FUSED_CELL_15+
 - CELL_14+ → FUSED_CELL_14+
 - CELL_13+ → FUSED_CELL_13+
 - CELL_12+ → FUSED_CELL_12+
 - CELL_11+ → FUSED_CELL_11+
 - CELL_10+ → FUSED_CELL_10+
 - CELL_9+ → FUSED_CELL_9+
 - CELL_8+ → FUSED_CELL_8+
 - CELL_7+ → FUSED_CELL_7+
 - CELL_6+ → FUSED_CELL_6+
 - CELL_5+ → FUSED_CELL_5+
 - CELL_4+ → FUSED_CELL_4+
 - CELL_3+ → FUSED_CELL_3+
 - CELL_2+ → FUSED_CELL_2+
 - CELL_1+ → FUSED_CELL_1+
 - CELL_0+ → FUSED_CELL_0+
 - CELL_0- → FUSED_CELL_0-

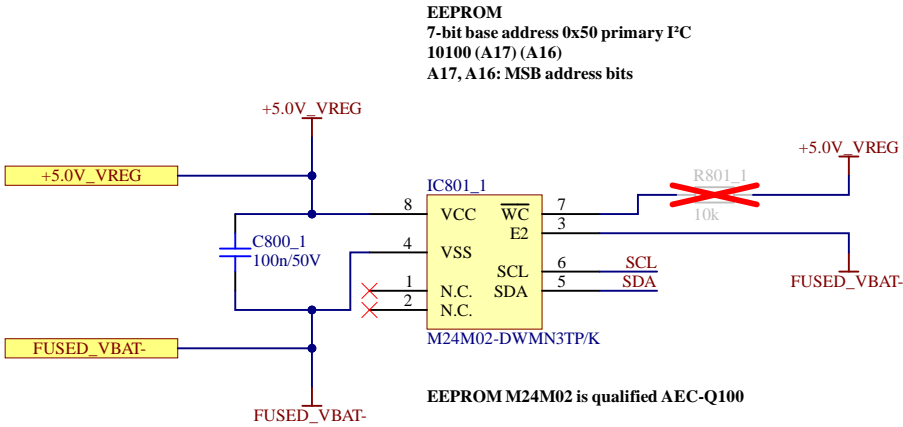






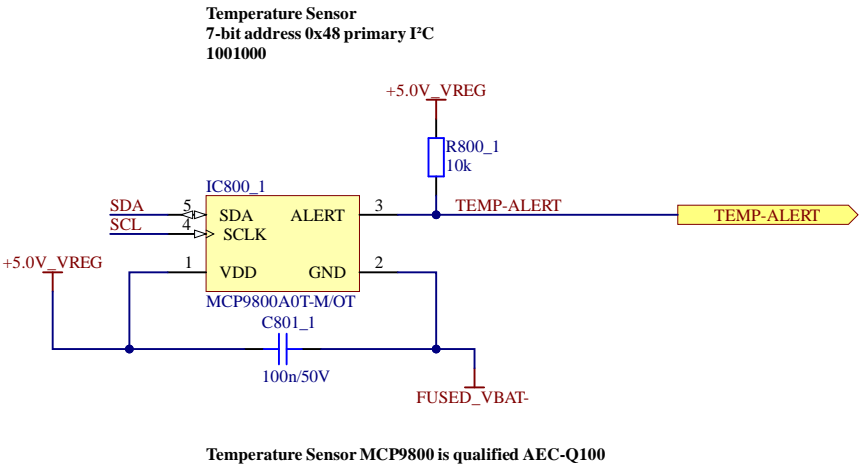


SDA
SCL



W\C):
floating: write operation enabled
pulled high: write operations disabled

When Write Control (WC) is driven high, device select and address bytes are acknowledged,
data bytes are not acknowledged.



±0.5°C (typ.) at +25°C
±1°C (max.) from -10°C to +85°C
±2°C (max.) from -10°C to +125°C
±3°C (max.) from -55°C to +125°C

Attention: use -A0T Type (I2C address conflict otherwise)!

Alert temperature can be configured via I2C

Temperature Sensor MCP9800 is qualified AEC-Q100

A

A

B

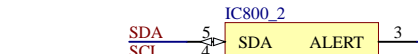
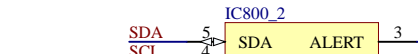
B

C

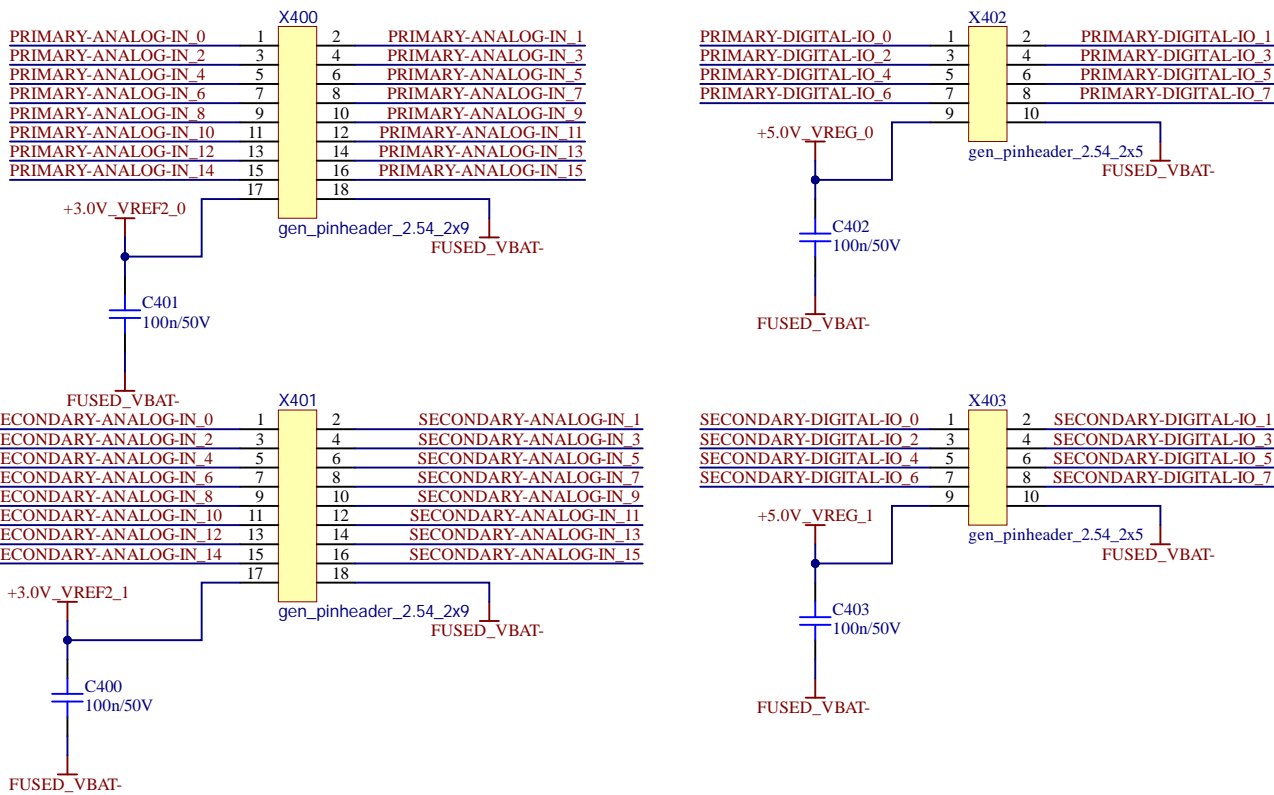
C

D

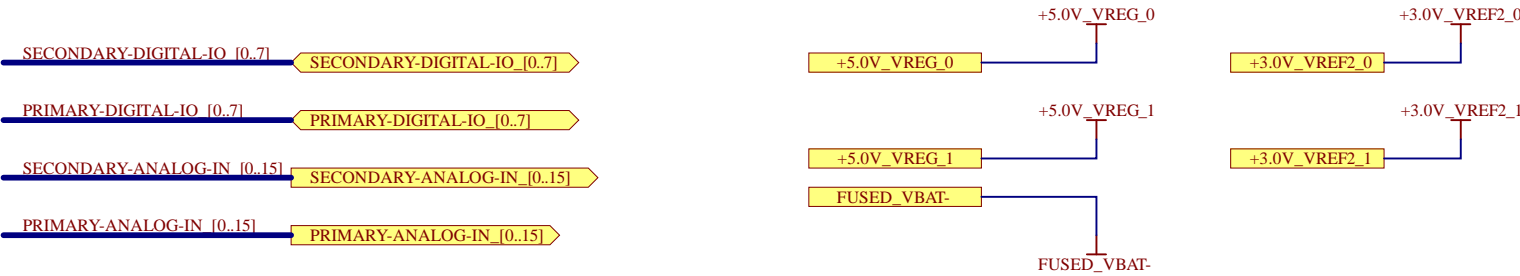
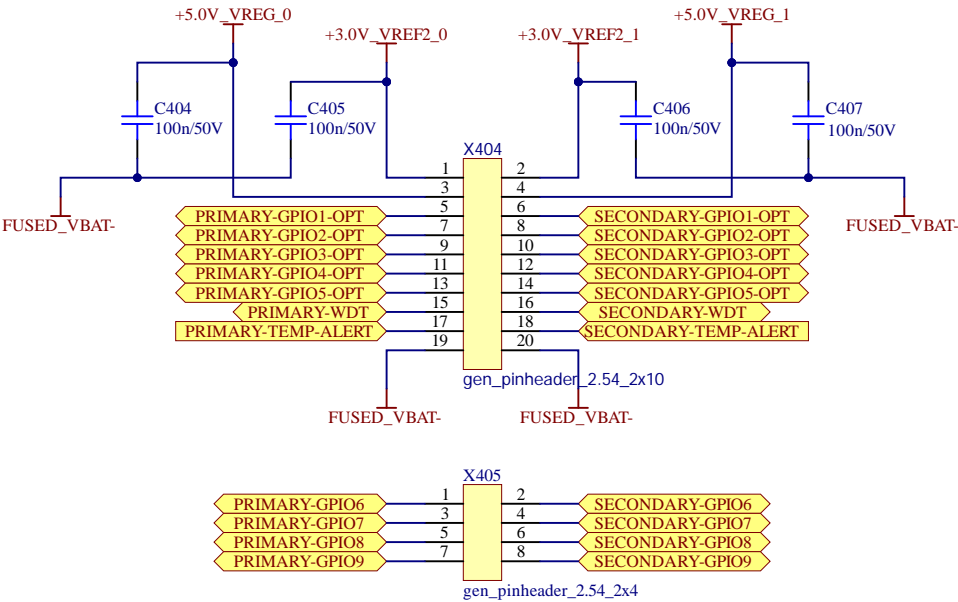
D

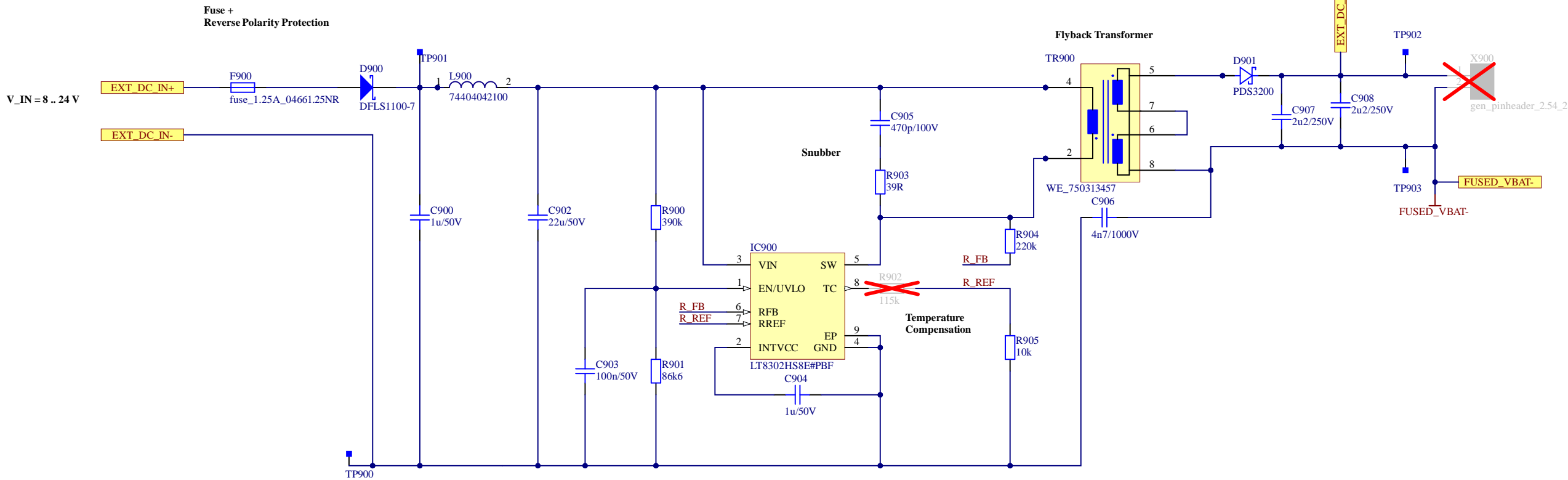


Pin-Header for additional analog and digital inputs/outputs



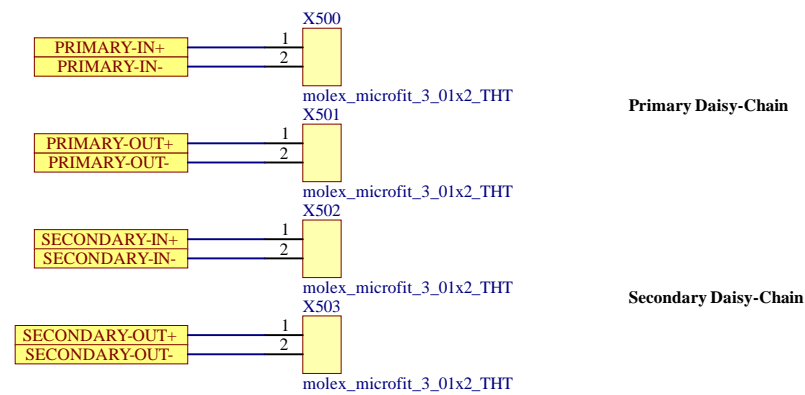
GPIO Extension Connector



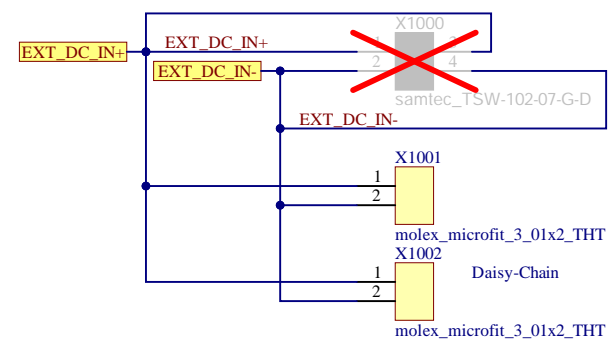


Daisy Chain Connectors

4x 2p connector equal for 12/15/18/20 cell version

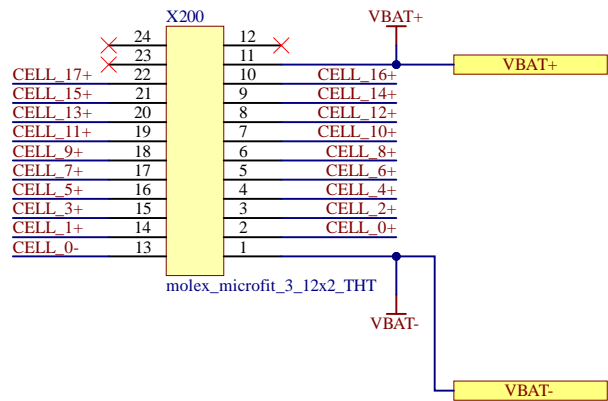


External Power Supply



Battery Cell Voltage Sense Connector

24p connector equal for 12/15/18/20 cell version



Temperature Sensor Connector

2x 16p connector equal for 12/15/18/20 cell version

