# FSEB\_2 Check List

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| --- | --- | --- | --- | --- |
| item | check | location | remark |  |
| Optical check | X |  |  |  |
| J1 is set? | X |  | Front panel switch-enable |  |
| Power on by front panel switch | x |  | Start with 50V input, check LEDs |  |
| P12V\_OUT1 | x |  | Probe at V10 |  |
| P12V\_OUT2 | x |  | Probe at V9 |  |
| P12V | x |  | probe at C94 |  |
| P3V3 | x |  | Probe at C65 |  |
| P5V\_ISO | x |  | Probe at C64 |  |
| P48\_OUT, N48\_OUT |  |  | Probe at C41 or V20 |  |
| Shortcut test |  |  | Connect P48\_OUT to N48\_OUT, use current probe, expect single (!) ~50A x 15us spike, red String\_over\_current LED should be ON |  |
| P12\_VOUT1 = 2V | X |  | Monitoring, ADC input values, U9 pins 1…8 |  |
| P12\_VOUT1 = 2V | X |  |  |  |
| P12\_VOUT = 2V | X |  |  |  |
| P12V\_CUR | X |  | U(V)=I(A) x 0.2 |  |
| U1\_TEMP ~ 0.76V | X |  | 10 mV/°C, 500 mV at 0°C |  |
| U2\_TEMP ~ 0.76V | X |  |  |
| V11\_TEMP ~ 0.76V | X |  |  |
| V12\_TEMP ~ 0.76V | x |  |  |
| STRG\_CUR+/- | x |  | At C64, U(V)=I(A) x 0.0164e.g. ~ 0.125V at 7.6A (96Vin, 12.5 ohm load) |  |
| STRG\_VOUT+/- | x |  | At C49, U(V) = 0.01072 x STRG\_VOUT(V), e.g. ~1.02V @ 96Vin |  |
| STRG\_VIN+/- | x |  | At C80, U(V) = 0.01072 x STRG\_VIN(V) ), e.g. ~1.02V @ 96Vin |  |
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