

Fault Injection Script — eFuse/Hot-Swap

Sequence: 1) Baseline run; 2) SC/OC pulse width sweep; 3) Repeated start-stop cycles; 4) Reverse voltage; 5) ORing switchover; 6) Thermal ramp.

For each test: capture VIN, VOUT, I, GATE, TIMER, PG; note ambient and load model.

Pass criteria: protection acts per policy, MOSFET stays within SOA, rail and upstream supply remain stable.