**FE-Board QA/QC**

Special Instructions:

* Measure in cleanroom
* Wear gloves
* Fill out below
* Re-pack in original plastic envelope

Person testing: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Board ID#: \_\_\_\_\_\_\_\_

Test Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Passed (Y/N)? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Visual inspection

* Any special marks, dirt, blemishes etc. visible? (Y/N) \_\_\_\_\_\_\_\_

Describe it: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Visual tests

Component Present (Y/N) ETC

SJ3 \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

CHIP\_ID \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

NTC \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

LVDS \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

PWR \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

HIT\_OR (LEMO) \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

TOP\_GND\_SUPPLY (LEMO) \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

Questions:

* What defines pass on electrical?
* What to use as reference values?
* How to mark boards?
* Anything else we should test?

Electrical tests

# Component Expected Value Measured Value ETC

1 R1 10 kΩ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

2 R8 100 Ω \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

3 R9 100 Ω \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

4 R11 1 kΩ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

5 R12 1 kΩ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

6 RD12 1 kΩ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

7 SJ1 0 Ω \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

8 SJ2 0 Ω \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

9 SJ21 0 Ω \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

10 RR1 0 Ω \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

11 RR2 0 Ω \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

12 SHUNT1(2/3) 0 Ω \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

13 SHUNT2(2/3) 0 Ω \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

14 C9 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

15 C10 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

16 C11 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

17 C12 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

18 C18 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

19 C20 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

20 C26 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

21 C27 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

22 C28 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

23 C31 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

24 C32 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

25 C33 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

26 C43 0.1 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

27 C13 0.01 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

28 C17 22 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

29 C19 22 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

30 CR1 2.2 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

31 CR2 2.2 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

32 C45 2.2 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

33 C46 2.2 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

34 CD45 2.2 μF \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

* All measured within 10% of expected? □

Appendix

