

Date Printed: 6 November 2023

#### **TEST IDENTIFICATION**

**TEST NAME** 

# Safe To Turn On

| TEST NO*     | T1  | UUT PN    | 04B-357 |
|--------------|-----|-----------|---------|
| LAST TEST NO | N/A | TEST TYPE | STATIC  |

#### **COMPONENTS UNDER TEST**

| REF DES | TYPE                           | PARAMETER                     | FAILURE MODE  | TEST LIMIT |
|---------|--------------------------------|-------------------------------|---------------|------------|
| C1      | CAPACITOR (GENERAL) CONTINUITY | CONTINUITY                    | Short Circuit | LOWER      |
| CI      |                                | N/A                           | N/A           |            |
| C2      | CADACITOR (GENERAL)            | APACITOR (GENERAL) CONTINUITY | Short Circuit | LOWER      |
| CZ      | CAPACITOR (GENERAL)            |                               | N/A           | N/A        |
| C7      | CAPACITOR (GENERAL)            | CONTINUITY                    | Short Circuit | LOWER      |
| C/      | CAPACITOR (GENERAL)            | CONTINUIT                     | N/A           | N/A        |
| C8      | CAPACITOR (GENERAL)            | CONTINUITY                    | Short Circuit | LOWER      |
| Co      | CAPACITOR (GENERAL)            | CONTINOTT                     | N/A           | N/A        |
|         | N/A                            | N/A                           | N/A           | N/A        |
|         | N/A                            | N/A                           | N/A           | N/A        |
|         | N/A                            | N/A                           | N/A           | N/A        |
|         | N/A                            |                               | N/A           | N/A        |
|         | N1/A                           | 21/2                          | N/A           | N/A        |
|         | N/A                            | N/A                           | N/A           | N/A        |
|         | N1/A                           | 21/2                          | N/A           | N/A        |
|         | N/A N/A                        | N/A                           | N/A           |            |
|         | N/A                            | N/A                           | N/A           | N/A        |
|         | N/A                            |                               | N/A           | N/A        |
|         | N/A                            | N/A                           | N/A           | N/A        |
|         | N/A                            |                               | N/A           | N/A        |
|         | 21/2                           | 21/0                          | N/A           | N/A        |
|         | N/A                            | N/A                           | N/A           | N/A        |
|         | 21/2                           | N/A                           | N/A           | N/A        |
|         | N/A                            |                               | N/A           | N/A        |
|         | N1/A                           | N/A                           | N/A           | N/A        |
|         | N/A                            |                               | N/A           | N/A        |
|         | 21/2                           | 21/2                          | N/A           | N/A        |
|         | N/A                            | N/A                           | N/A           | N/A        |



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## **TEST PROCEDURE**

| PURPOSE  |       |  |
|--|-------|--|
| Determine if power supply capacitors have failed s | hort. |  |
|  |       |  |
|  |       |  |
|  |       |  |
|  |       |  |
|  |       |  |
| SCOPE  |       |  |
| Capacitors across the power rails.                 |       |  |
|  |       |  |
|  |       |  |
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|  |       |  |
|  | N/A   |  |



|   |        | Date Prin | ted: 6 November 2023 |
|---|--------|-----------|----------------------|
| POWER                                       |        |           |                      |
| None  |        |           |                      |
|   |        |           |                      |
| STIMULI                                     |        |           |                      |
| None  |        |           |                      |
|   |        |           |                      |
| MEASUREMENT                                 |        |           |                      |
| Resistance measurement with handheld multir | neter  |           |                      |
| Nesistance measurement with handreid matti  | neter. |           |                      |
|   |        |           |                      |
| SIGNAL PIN P1-2                             |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
| RETURN PIN P1-1                             |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |
|   |        |           |                      |



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## ACCEPTANCE CRITERIA

| PARAMETER  | LOWER LIMIT | TARGET VALUE | UPPER LIMIT | UNITS |
|------------|-------------|--------------|-------------|-------|
| RESISTANCE | 150         | TV           | UL          | OHMS  |

### **TEST RESULTS**

| RESULT                              | NEXT STEP | ADJUST | REPLACE        |
|-------------------------------------|-----------|--------|----------------|
| IN<br>TOLERANCE                     | T2        | N/A    | N/A            |
| OOT HIGH                            | N/A       | N/A    | N/A            |
| OOT LOW                             | END FAIL  | N/A    | C1, C2, C7, C8 |
| OOT HIGH<br>AND UNABLE<br>TO ADJUST | N/A       | N/A    | N/A            |
| OOT LOW<br>AND UNABLE<br>TO ADJUST  | N/A       | N/A    | N/A            |



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THIS SPACE INTENTIONALLY BLANK

#### FORM CONTROLS

Save

Save and Close

Close Without Saving

Delete

Log Entry Key 20231106082138 Computer ID desktop

User ID nolan

Date Time 20231106102058

PDF C:\Repos\EAGLE\miniPCB\04\B\04B-357\TESTbase v2\Tests\PDFs\T1.pdf