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|  <div>GE Energy</div> | | Functional Testing Specification | |
| <div>Parts & Repair Services Louisville, KY</div> | | LOU-GED-133D5135G0001 | |
| Test Procedure for an EHC Mark II 133D5135G0001 Indicator Card.. | | | |
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| A | Initial Release | J. Francis | 10/17/2017 |
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| DATE 10/17/2017 | DATE | DATE | DATE 10/17/2017 |

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1. SCOPE

1.1 This is a functional testing procedure for an EHC Mark II Indicator Card.

2. STANDARDS OF QUALITY

2.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

3. APPLICABLE DOCUMENTS

3.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.

3.1.1 Check board's electronic folder for more information.

3.1.2 Copied original hand written test, located in the IS200IVFB folder in file cabinet located by Monte, into Word format.

4. ENGINEERING REQUIREMENTS

4.1 Equipment Cleaning

4.1.1 Equipment should be clean and free of debris prior to applying power unless performing an initial check. Refer to site specific SRA's for cleaning guidelines.

4.2 Equipment Inspection

4.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:

4.2.1.1 Wires - broken, cracked, or loosely connected

4.2.1.2 Terminal strips / connectors - broken or cracked

4.2.1.3 Components - visually damaged

4.2.1.4 Capacitors - bloated or leaking

4.2.1.5 Solder joints - damaged or cold

4.2.1.6 Circuit board - burned or de-laminated

4.2.1.7 Printed wire runs / Traces - burned or damaged

5. EQUIPMENT REQUIRED

5.1 The following equipment is required to perform the process requirements. Equipment may be substituted provided that all accuracy's and test ratios are equivalent or better.

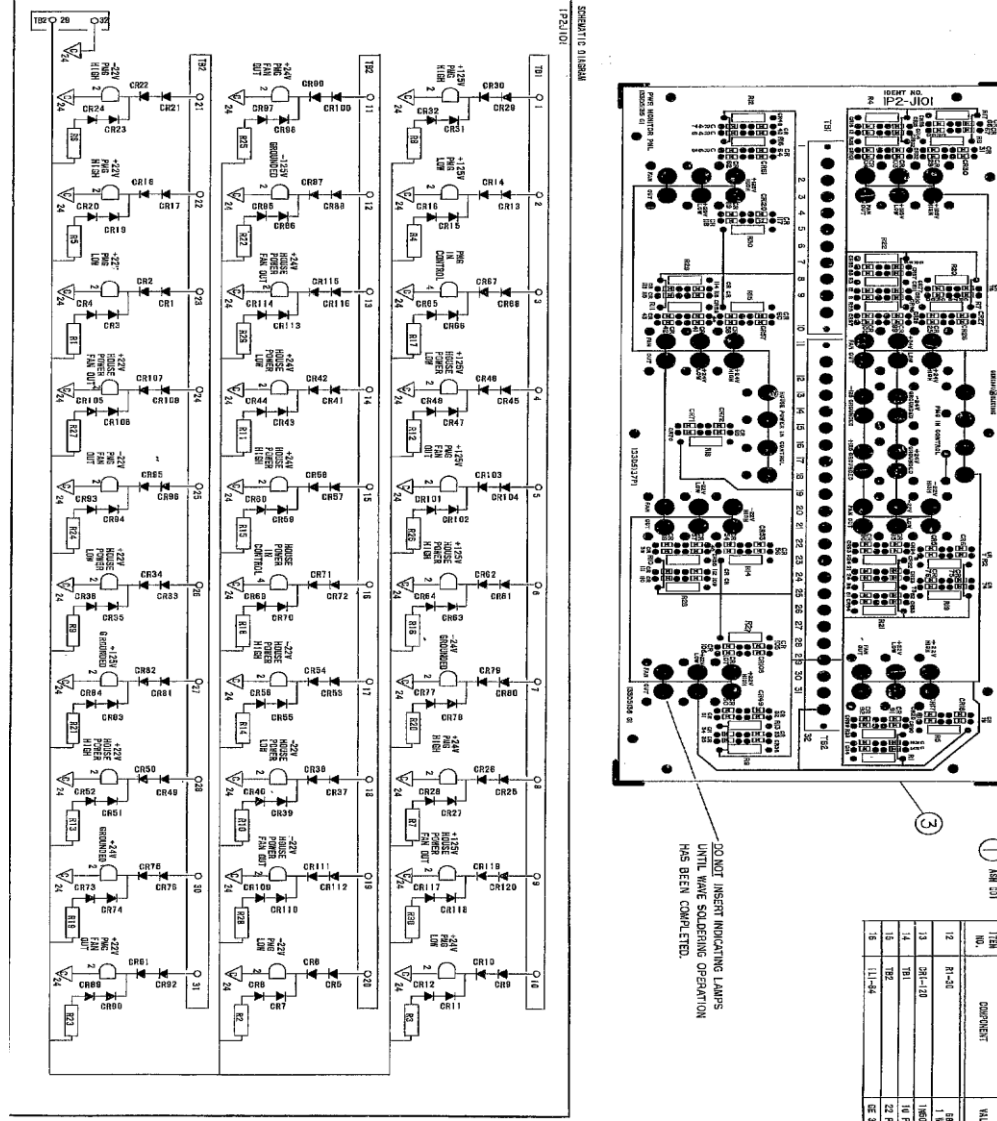
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| Qty | Reference # | Description |
|------------|------------------------|-------------------------------|
| 1 | * | +28 VDC Power Supply (>3 amp) |

6. TESTING PROCESS

- 6.1 Replace all **GE 387** Lamps, unless this has been done recently.
- 6.2 Using the attached schematic and the table listed below, check operation as follows:

| +28 VDC Positive Lead Connection | Illuminating Lamps | # Lamps |
|----------------------------------|------------------------------|-----------|
| TB1-1 | +125 VDC PMG High Lamps | 2 |
| TB1-2 | +125 VDC PMG Low Lamps | 2 |
| TB1-3 | PMG In Control Lamps | 4 |
| TB1-4 | +125 VDC House Power Low | 2 |
| TB1-5 | +125 VDC PMG Fan Out | 2 |
| TB1-6 | +125 VDC House Power High | 2 |
| TB1-7 | -24 VDC Grounded | 2 |
| TB1-8 | +24 PMG High | 2 |
| TB1-9 | +125 VDC House Power Fan Out | 2 |
| TB1-10 | +24 VDC PMG Low | 2 |
| TB2-11 | +24 VDC PMG Fan Out | 2 |
| TB2-12 | -125 VDC Grounded | 2 |
| TB2-13 | +24 VDC House Power Fan Out | 2 |
| TB2-14 | +24 VDC House Power Low | 2 |
| TB2-15 | +24 VDC House Power High | 2 |
| TB2-16 | House Power in Control | 4 |
| TB2-17 | -22 VDC House Power High | 2 |
| TB2-18 | -22 VDC House Power Low | 2 |
| TB2-19 | -22 VDC House Power Fan Out | 2 |
| TB2-20 | -22 VDC PMG Low | 2 |
| TB2-21 | -22 PMG High | 2 |
| TB2-22 | +22 VDC PMG High | 2 |
| TB2-23 | +22 VDC PMG Low | 2 |
| TB2-24 | +22 VDC House Power Fan Out | 2 |
| TB2-25 | -22 VDC PMG Fan Out | 2 |
| TB2-26 | +22 VDC House Power Low | 2 |
| TB2-27 | +125 VDC Grounded | 2 |
| TB2-28 | +22 VDC House Power High | 2 |
| TB2-30 | +24 VDC Grounded | 2 |
| TB2-31 | +22 VDC PMG Fan Out | 2 |
| TB2-29 | Lamp Test Line | All Lamps |



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7. NOTES

- 7.1** 100 Hour Burn-In required.
- 8. End of Tests.