g GE Energy	**Functional Testing Specification**
Parts & Repair Services ***Louisville, KY***	**LOU-GED-DS200DTBC**

Test Procedure for a DS200DTBCG1A

DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	Steve Pharris	7/12/2011
B	Corrected typos to table in section 6.2.1	K. Greenwell	12/8/2011
C	Changed 3 points	J. Hardin	12/05/2012
D	Clarified Burn-in requirements - none needed and clarified that "Open" stands for 1 Meg ohm or greater.	C. Wade	12/17/2013

PREPARED BY	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL
Steve Pharris	K. Greenwell	J. Hardin	Charlie Wade
DATE	**DATE**	**DATE**	**DATE**
7/12/11	12/8/2011	12/5/2012	7/14/2011

1. SCOPE

1.1 This is a functional testing procedure for a DS200DTBCG1A.

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

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.

Qty	Reference #	Description
1		Fluke 87 DMM (or Equivalent)

6. Testing Process

6.1 Setup

6.1.1 Install jumpers if not present on card. They are not required per the parts list but they are for the test.

6.2 Testing Procedure

6.2.1 With DMM verify the following table. Tolerances that read 0 Ohms should read less than 1.0 ohm. Open shall be considered greater than 1 Meg ohm.

From	To	Value (Ohms)
J8-1	TBA-3	0
J8-1	JS1-3	0
J8-1	TBA-7	0
J8-1	JS1-6	0
J8-1	TBA-11	0
J8-1	JS1-9	0
J8-1	TBA-15	0
J8-1	JS1-12	0
J8-1	TBA-19	0
J8-1	JS2-1	0
J8-1	TBA-23	0
J8-1	JS2-4	0
J8-1	TBA-27	0
J8-1	JS2-7	0
J8-1	TBA-31	0
J8-1	JS2-10	0
J8-1	TBA-35	0
J8-1	JS3-3	0
J8-1	TBA-39	0
J8-1	JS3-6	0
J8-1	TBA-43	0
J8-1	JS3-9	0
J8-1	TBA-47	0
J8-1	JS3-12	0

J8-1	TBA-51	0
J8-1	JS4-1	0
J8-1	TBA-55	0
J8-1	JS4-4	0
J8-1	TBA-59	0
J8-1	JS4-7	0
J8-1	J16-1	OPEN
J8-1	J16-2	0
J8-1	J16-3	0
J8-2	TBA-1	0
J8-2	TBA-5	0
J8-2	TBA-9	0
J8-2	TBA-13	0
J8-2	TBA-17	0
J8-2	TBA-21	0
J8-2	TBA-25	0
J8-2	TBA-29	0
J8-2	TBA-33	0
J8-2	TBA-37	0
J8-2	TBA-41	0
J8-2	TBA-45	0
J8-2	TBA-49	0
J8-2	TBA-53	0
J8-2	TBA-57	0
J8-2	TBA-61	0
J8-2	TBA-65	0
J8-2	TBA-69	0
J8-2	JS1-1	OPEN
J8-2	JS1-4	OPEN
J8-2	JS1-7	OPEN
J8-2	JS1-10	OPEN
J8-2	JS2-3	OPEN

J8-2	JS2-6	OPEN
J8-2	JS2-9	OPEN
J8-2	JS2-12	OPEN
J8-2	JS3-1	OPEN
J8-2	JS3-4	OPEN
J8-2	JS3-7	OPEN
J8-2	JS3-10	OPEN
J8-2	JS4-3	OPEN
J8-2	JS4-6	OPEN
J8-2	JS4-9	OPEN
J8-2	JS5-6	OPEN
J8-2	JS5-9	OPEN
J8-2	JS5-12	OPEN
TBA-2	JS1-1	0
TBA-4	JS1-2	0
TBA-6	JS1-4	0
TBA-8	JS1-5	0
TBA-10	JS1-7	0
TBA-12	JS1-8	0
TBA-14	JS1-10	0
TBA-16	JS1-11	0
TBA-18	JS2-3	0
TBA-20	JS2-2	0
TBA-22	JS2-6	0
TBA-24	JS2-5	0
TBA-26	JS2-9	0
TBA-28	JS2-8	0
TBA-30	JS2-12	0
TBA-32	JS2-11	0
TBA-34	JS3-1	0
TBA-36	JS3-2	0
TBA-38	JS3-4	0

TBA-40	JS3-5	0
TBA-42	JS3-7	0
TBA-44	JS3-8	0
TBA-46	JS3-10	0
TBA-48	JS3-11	0
TBA-50	JS4-3	0
TBA-52	JS4-2	0
TBA-54	JS4-6	0
TBA-56	JS4-5	0
TBA-58	JS4-9	0
TBA-60	JS4-8	0
TBA-62	JS5-6	0
TBA-63	JS5-4	0
TBA-63	J15-1	0
TBA-64	JS5-5	0
TBA-66	JS5-9	0
TBA-67	JS5-7	0
TBA-67	J15-2	0
TBA-68	JS5-8	0
TBA-70	JS5-12	0
TBA-71	JS5-10	0
TBA-71	J15-3	0
TBA-72	JS5-11	0
TBA-73	JS6-1	0
TBA-74	JS6-3	0
TBA-75	JS6-2	0
TBA-76	JS6-4	0
TBA-77	JS6-6	0
TBA-78	JS6-5	0
TBA-79	JS6-7	0
TBA-80	JS6-9	0
TBA-81	JS6-8	0

TBA-82	JS6-10	0
TBA-83	JS6-12	0
TBA-84	JS6-11	0
TBA-85	JS7-3	0
TBA-86	JS7-1	0
TBA-87	JS7-2	0
TBA-88	JS7-6	0
TBA-89	JS7-4	0
TBA-90	JS7-5	0
TBA-91	JS7-9	0
TBA-92	JS7-7	0
TBA-93	JS7-8	0
TBA-94	JS7-12	0
TBA-95	JS7-10	0
TBA-96	JS7-11	0
TBA-97	JS8-1	0
TBA-98	JS8-3	0
TBA-99	JS8-2	0
TBA-100	JS8-4	0
TBA-101	JS8-6	0
TBA-102	JS8-5	0
TBA-103	JS8-7	0
TBA-104	JS8-9	0
TBA-105	JS8-8	0
TBA-106	JS8-10	0
TBA-107	JS8-12	0
TBA-108	JS8-11	0

6.2.2 Remove all jumpers from card.

6.2.3 For all normal repairs; card does not have any active components so unit does not require any burn-in.

6.3 ***TEST COMPLETE ***