

ABNORMAL TEST RESULT

OF MODEL FETA3000BA-48

1. Did Cheese Cloth or Paper Glow?

No.

2. Did Ground Fuse Open?

No.

3. Dielectric breakdown?

No.

4. Other Results?

See the following pages .

(FMEA : 2/109 ~ 105/109)

(Abnormal Test Result: 106/109 ~ 109/109)

There was no emission of flame, molten metal, ignition of cheesecloth, dielectric breakdown, opening of the ground fuse, other indication of a shock or fire hazard.

F M E A

Component	Mode	Comment	Output Voltage (V)
C101	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C104	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C105	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C106	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C107	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C108	Open	Normal operation.	
	Short	Normal operation.	
C109	Open	Normal operation.	
	Short	Normal operation.	
C110	Open	Normal operation.	
	Short	Normal operation.	
C111	Open	Normal operation.	
	Short	Normal operation.	
C112	Open	Normal operation.	
	Short	Normal operation.	
C113	Open	Normal operation.	
	Short	Normal operation.	
C114	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C115	Open	Normal operation.	
	Short	Normal operation.	
C116	Open	Normal operation.	
	Short	Normal operation.	
C117	Open	Normal operation.	
	Short	Normal operation.	
C118	Open	Normal operation.	
	Short	Normal operation.	
C119	Open	Normal operation.	
	Short	Normal operation.	
C120	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C121	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C122	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C123	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C124	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C125	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C126	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C127	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C128	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C129	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C130	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C131	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C132	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C134	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C135	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C136	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C137	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C138	Open	Normal operation.	
	Short	Normal operation.	
C139	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C140	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C141	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C142	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C143	Open	Normal operation.	
	Short	Normal operation.	
C144	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C145	Open	Normal operation.	
	Short	Normal operation.	
C146	Open	Normal operation.	
	Short	Normal operation.	
C147	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C148	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C149	Open	Normal operation.	
	Short	Normal operation.	
C151	Open	Normal operation.	
	Short	Normal operation.	
C152	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C153	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C154	Open	Normal operation.	
	Short	Normal operation.	
C155	Open	Normal operation.	
	Short	Normal operation.	
C161	Open	Normal operation.	
	Short	Normal operation.	
C162	Open	Normal operation.	
	Short	Normal operation.	
C165	Open	Normal operation.	
	Short	Normal operation.	
C166	Open	Normal operation.	
	Short	Normal operation.	
C171	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
C176	Open	Normal operation.	
	Short	Normal operation.	
C202	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C203	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C204	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C205	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C206	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C207	Open	Normal operation.	
	Short	Normal operation.	
C208	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C209	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C210	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C211	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C212	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C213	Open	Normal operation.	
	Short	Normal operation.	
C215	Open	Normal operation.	
	Short	Normal operation.	
C216	Open	Normal operation.	
	Short	Normal operation.	
C218	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C219	Open	Normal operation.	
	Short	Normal operation.	
C302	Open	Normal operation.	
	Short	See 104 Page.	
C303	Open	Normal operation.	
	Short	See 104 Page.	
C304	Open	Normal operation.	
	Short	See 104 Page.	
C305	Open	Normal operation.	
	Short	See 104 Page.	
C306	Open	Normal operation.	
	Short	See 104 Page.	
C307	Open	Normal operation.	
	Short	See 104 Page.	
C308	Open	Normal operation.	
	Short	See 104 Page.	
C309	Open	Normal operation.	
	Short	See 104 Page.	
C310	Open	Normal operation.	
	Short	See 104 Page.	
C311	Open	Normal operation.	
	Short	See 104 Page.	
C312	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C313	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C314	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C315	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C316	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C317	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C318	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C319	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C321	Open	Normal operation.	
	Short	Normal operation.	
C322	Open	Normal operation.	
	Short	Normal operation.	
C323	Open	Normal operation.	
	Short	Normal operation.	
C324	Open	Normal operation.	
	Short	Normal operation.	
C325	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C326	Open	Normal operation.	
	Short	Normal operation.	
C327	Open	Normal operation.	
	Short	Normal operation.	
C331	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C332	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C333	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C334	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C335	Open	Normal operation.	
	Short	Normal operation.	
C336	Open	Normal operation.	
	Short	Normal operation.	
C337	Open	Normal operation.	
	Short	Normal operation.	
C338	Open	Normal operation.	
	Short	Normal operation.	
C339	Open	Normal operation.	
	Short	Normal operation.	
C341	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C342	Open	Normal operation.	
	Short	Normal operation.	
C343	Open	Normal operation.	
	Short	Normal operation.	
C344	Open	Normal operation.	
	Short	Normal operation.	
C345	Open	Normal operation.	
	Short	Normal operation.	
C346	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C347	Open	Normal operation.	
	Short	Normal operation.	
C350	Open	Normal operation.	
	Short	Normal operation.	
C351	Open	Normal operation.	
	Short	Normal operation.	
C352	Open	Normal operation.	
	Short	Normal operation.	
C353	Open	Normal operation.	
	Short	Normal operation.	
C354	Open	Normal operation.	
	Short	Normal operation.	
C355	Open	Normal operation.	
	Short	Normal operation.	



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Component	Mode	Comment	Output Voltage (V)
C356	Open	Normal operation.	
	Short	Normal operation.	
C357	Open	Normal operation.	
	Short	Normal operation.	
C358	Open	Normal operation.	
	Short	Normal operation.	
C371	Open	Normal operation.	
	Short	Normal operation.	
C372	Open	Normal operation.	
	Short	Normal operation.	
C373	Open	Normal operation.	
	Short	Normal operation.	
C374	Open	Normal operation.	
	Short	Normal operation.	
C375	Open	Normal operation.	
	Short	Normal operation.	
C376	Open	Normal operation.	
	Short	Normal operation.	
C380	Open	Normal operation.	
	Short	Normal operation.	
C381	Open	Normal operation.	
	Short	Normal operation.	
C501	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C502	Open	Normal operation.	
	Short	Normal operation.	
C503	Open	Normal operation.	
	Short	Normal operation.	
C504	Open	Normal operation.	
	Short	Normal operation.	
C505	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C506	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C507	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C508	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C510	Open	Normal operation.	
	Short	Normal operation.	
C511	Open	Normal operation.	
	Short	Normal operation.	
C512	Open	Normal operation.	
	Short	Normal operation.	
C514	Open	Normal operation.	
	Short	Normal operation.	
C515	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C516	Open	Normal operation.	
	Short	Output voltage increased. No hazard.	AVR1:50.3
C517	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C521	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C522	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C524	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C525	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C526	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C529	Open	Normal operation.	
	Short	Normal operation.	
C531	Open	Normal operation.	
	Short	Output voltage increased. No hazard.	AVR1:50.0
C532	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:44.8
C533	Open	Normal operation.	
	Short	Output voltage increased. No hazard.	AVR1:51.6
C534	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C535	Open	Normal operation.	
	Short	Normal operation.	
C536	Open	Normal operation.	
	Short	Normal operation.	
C539	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:44.7
C541	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C542	Open	Normal operation.	
	Short	Normal operation.	
C543	Open	Normal operation.	
	Short	Normal operation.	
C544	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C545	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C551	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C552	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C554	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C555	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C557	Open	Normal operation.	
	Short	Normal operation.	
C558	Open	Normal operation.	
	Short	Normal operation.	
C561	Open	Normal operation.	
	Short	Normal operation.	
C562	Open	Normal operation.	
	Short	Normal operation.	
C563	Open	Normal operation.	
	Short	Normal operation.	
C564	Open	Normal operation.	
	Short	Normal operation.	
C566	Open	Normal operation.	
	Short	Normal operation.	
C567	Open	Normal operation.	
	Short	Normal operation.	
C568	Open	Normal operation.	
	Short	Normal operation.	
C570	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C571	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C572	Open	Normal operation.	
	Short	No Hazard.	AVR1:0



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Component	Mode	Comment	Output Voltage (V)
C573	Open	Normal operation.	
	Short	Normal operation.	
C574	Open	Normal operation.	
	Short	Normal operation.	
C601	Open	Normal operation.	
	Short	Normal operation.	
C602	Open	Normal operation.	
	Short	Normal operation.	
C603	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C604	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C606	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C607	Open	Normal operation.	
	Short	Normal operation.	
C608	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C609	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C610	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C611	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C612	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C613	Open	Normal operation.	
	Short	Normal operation.	
C614	Open	Normal operation.	
	Short	Normal operation.	
C615	Open	Normal operation.	
	Short	Normal operation.	
C616	Open	Normal operation.	
	Short	See 104 Page.	
C617	Open	Normal operation.	
	Short	Normal operation.	
C618	Open	Normal operation.	
	Short	Normal operation.	
C619	Open	Normal operation.	
	Short	Normal operation.	
C701	Open	Normal operation.	
	Short	Normal operation.	
C702	Open	Normal operation.	
	Short	Normal operation.	
C703	Open	Normal operation.	
	Short	See 104 Page.	
C704	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C705	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C706	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C707	Open	No Hazard.	AVR1:0
	Short	See 104 Page.	
C711	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C712	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C713	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C714	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C715	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C716	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C720	Open	Normal operation.	
	Short	Normal operation.	
C717	Open	Normal operation.	
	Short	Normal operation.	
C721	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C722	Open	Normal operation.	
	Short	Normal operation.	
C723	Open	Normal operation.	
	Short	Normal operation.	
C724	Open	Normal operation.	
	Short	Normal operation.	
C725	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C726	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C727	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C728	Open	Normal operation.	
	Short	Normal operation.	
C729	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C731	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C733	Open	Normal operation.	
	Short	Normal operation.	
C734	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C736	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C737	Open	Normal operation.	
	Short	Normal operation.	
C738	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C739	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
C740	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
C741	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C745	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
C746	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C747	Open	Normal operation.	
	Short	Normal operation.	
C748	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C749	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C750	Open	Normal operation.	
	Short	Normal operation.	
C751	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C752	Open	Normal operation.	
	Short	Normal operation.	
C753	Open	Normal operation.	
	Short	Normal operation.	
C754	Open	Normal operation.	
	Short	Normal operation.	
C755	Open	Normal operation.	
	Short	Normal operation.	
C756	Open	Normal operation.	
	Short	Normal operation.	
C791	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C801	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
C802	Open	Normal operation.	
	Short	Normal operation.	
C803	Open	Normal operation.	
	Short	Normal operation.	
C804	Open	Normal operation.	
	Short	Normal operation.	
C805	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C807	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C808	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C810	Open	Normal operation.	
	Short	See 104 Page.	
C811	Open	Normal operation.	
	Short	Normal operation.	
C812	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C814	Open	Normal operation.	
	Short	Normal operation.	
C815	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C816	Open	Normal operation.	
	Short	Normal operation.	
C817	Open	Normal operation.	
	Short	Normal operation.	
C818	Open	Normal operation.	
	Short	Normal operation.	
C821	Open	Normal operation.	
	Short	Normal operation.	
C822	Open	Normal operation.	
	Short	Normal operation.	
C823	Open	Normal operation.	
	Short	Normal operation.	



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Component	Mode		Comment	Output Voltage (V)
C824	Open		Normal operation.	
	Short		Normal operation.	
CN1	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	Normal operation.	
		11	Normal operation.	
		12	Normal operation.	
	Short	1-2	Normal operation.	
		1-3	Normal operation.	
		2-4	Normal operation.	
		3-4	Normal operation.	
		3-5	Normal operation.	
		4-6	Normal operation.	
		5-6	Normal operation.	
		5-7	Normal operation.	
		6-8	Normal operation.	
		7-8	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
CN1	Short	7-9	Normal operation.	
		8-10	Normal operation.	
		9-10	No Hazard.	AVR1:0
		9-11	No Hazard.	AVR1:0
		10-12	No Hazard.	AVR1:0
		11-12	No Hazard.	AVR1:0
CN2	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	Normal operation.	
		11	Normal operation.	
		12	Normal operation.	
	Short	1-2	Normal operation.	
		1-3	Normal operation.	
		2-4	Normal operation.	
		3-4	Normal operation.	
		3-5	Normal operation.	
		4-6	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
CN2	Short	5-6	Normal operation.	
		5-7	Normal operation.	
		6-8	Normal operation.	
		7-8	Normal operation.	
		7-9	Normal operation.	
		8-10	Normal operation.	
		9-10	No Hazard.	AVR1:0
		9-11	No Hazard.	AVR1:0
		10-12	No Hazard.	AVR1:0
		11-12	No Hazard.	AVR1:0
CN501	Open	1	Normal operation.	
		2	Normal operation.	
		3	No Hazard.	AVR1:0
		4	Normal operation.	
		5	No Hazard.	AVR1:0
		6	Normal operation.	
		7	No Hazard.	AVR1:0
		8	Normal operation.	
	Short	1-2	Normal operation.	
		1-3	Normal operation.	
		2-4	Normal operation.	
		3-4	Normal operation.	
		3-5	No Hazard.	AVR1:0
		4-6	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
CN501	Short	5-6	No Hazard.	AVR1:0
		5-7	No Hazard.	AVR1:0
		6-8	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
CN502	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	Normal operation.	
		7	No Hazard.	AVR1:0
		8	Normal operation.	
		9	No Hazard.	AVR1:0
		10	Normal operation.	
		11	No Hazard.	AVR1:0
		12	No Hazard.	AVR1:0
		13	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		15	Normal operation.	
		16	No Hazard.	AVR1:0
		17	Normal operation.	
	Short	2-3	Normal operation.	
		2-4	Normal operation.	
		3-5	See 104 Page.	

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Component	Mode		Comment	Output Voltage (V)
CN502	Short	4-5	See 104 Page.	
		4-6	Normal operation.	
		5-7	No Hazard.	AVR1:0
		6-7	Normal operation.	
		6-8	Normal operation.	
		7-9	Normal operation.	
		8-9	No Hazard.	AVR1:0
		8-10	Normal operation.	
		9-11	Normal operation.	
		10-11	Normal operation.	
		10-12	Normal operation.	
		11-13	See 104 Page.	
		12-13	Normal operation.	
		12-14	No Hazard.	AVR1:0
		13-15	Normal operation.	
		14-15	Normal operation.	
		14-16	Output voltage increased. No hazard.	AVR1:54.6
		15-17	Normal operation.	
		16-17	Normal operation.	
CN701	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
CN701	Open	6	No Hazard.	AVR1:0
		7	Normal operation.	
		8	Normal operation.	
	Short	1-2	No Hazard.	AVR1:0
		1-3	No Hazard.	AVR1:0
		2-4	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		3-5	No Hazard.	AVR1:0
		4-6	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		5-7	No Hazard.	AVR1:0
		6-8	No Hazard.	AVR1:0
		7-8	Normal operation.	
CN791	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
D101	Open		No Hazard.	AVR1:0
	Short		F101, F102 opened, No hazard.	AVR1:0
D102	Open		No Hazard.	AVR1:0
	Short		F101, F102 opened, No hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
D103	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D104	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D105	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D106	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D107	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D108	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D109	Open	Normal operation.	
	Short	Normal operation.	
D110	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D111	Open	Normal operation.	
	Short	Normal operation.	
D114	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D115	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D116	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
D117	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D118	Open	Normal operation.	
	Short	Normal operation.	
D119	Open	Normal operation.	
	Short	Normal operation.	
D120	Open	Normal operation.	
	Short	Normal operation.	
D121	Open	Normal operation.	
	Short	Normal operation.	
D122	Open	Normal operation.	
	Short	Normal operation.	
D123	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D124	Open	Normal operation.	
	Short	Normal operation.	
D125	Open	Normal operation.	
	Short	Normal operation.	
D181	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D201	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D203	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
D204	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D205	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D206	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D302	Open	No Hazard.	AVR1:0
	Short	See 104 Page.	
D303	Open	Normal operation.	
	Short	Normal operation.	
D304	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D306	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D307	Open	No Hazard.	AVR1:0
	Short	See 104 Page.	
D308	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D310	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D312	Open	Normal operation.	
	Short	See 104 Page.	
D313	Open	Normal operation.	
	Short	See 104 Page.	

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Component	Mode	Comment	Output Voltage (V)
D321	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
D322	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
D323	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
D324	Open	Normal operation.	
	Short	F101, F102 opened, No hazard.	AVR1:0
D331	Open	Normal operation.	
	Short	Normal operation.	
D332	Open	Normal operation.	
	Short	Normal operation.	
D333	Open	Normal operation.	
	Short	Normal operation.	
D504	Open	Normal operation.	
	Short	Normal operation.	
D505	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D541	Open	Normal operation.	
	Short	Normal operation.	
D542	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D543	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
D601	Open	Normal operation.	
	Short	Normal operation.	
D602	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D604	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D605	Open	Normal operation.	
	Short	Output voltage increased. No hazard.	AVR1:55
D609	Open	Normal operation.	
	Short	Normal operation.	
D611	Open	Normal operation.	
	Short	Normal operation.	
D612	Open	Normal operation.	
	Short	Normal operation.	
D702	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D703	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D704	Open	Normal operation.	
	Short	Normal operation.	
D705	Open	Normal operation.	
	Short	Normal operation.	
D707	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
D708	Open	Normal operation.	
	Short	See 104 Page.	
D711	Open	Normal operation.	
	Short	Normal operation.	
D712	Open	Normal operation.	
	Short	Normal operation.	
D713	Open	Normal operation.	
	Short	Normal operation.	
D714	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D721	Open	Normal operation.	
	Short	Normal operation.	
D722	Open	Normal operation.	
	Short	Normal operation.	
D723	Open	Normal operation.	
	Short	Normal operation.	
D724	Open	Normal operation.	
	Short	Normal operation.	
D725	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D726	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D727	Open	No Hazard.	AVR1:0
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
D728	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D729	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D791	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D801	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D802	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D803	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D807	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D808	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D809	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D810	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D811	Open	Normal operation.	
	Short	Normal operation.	
D812	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
D813	Open		Normal operation.	
	Short		Normal operation.	
D814	Open		Normal operation.	
	Short		Normal operation.	
F701	Open		No Hazard.	AVR1:0
F791	Open		No Hazard.	AVR1:0
FAN701	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
IC101	Open	1	Normal operation.	
		2	Normal operation.	
		3	No Hazard.	AVR1:0
		4	Normal operation.	
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	F101, F102 opened, No hazard.	AVR1:0
		8	F101, F102 opened, No hazard.	AVR1:0
		9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
		11	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC101	Open	12	No Hazard.	AVR1:0
		13	No Hazard.	AVR1:0
		14	Normal operation.	
		15	No Hazard.	AVR1:0
		16	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
		9-10	Normal operation.	
		10-11	Normal operation.	
		11-12	Normal operation.	
		12-13	Normal operation.	
		13-14	No Hazard.	AVR1:0
		14-15	No Hazard.	AVR1:0
		15-16	No Hazard.	AVR1:0
IC201	Open	K	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		K-R	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	R-A	No Hazard.	AVR1:0
IC202	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	
		3	Normal operation.	
		4	No Hazard.	AVR1:0
		5	Normal operation.	
		6	No Hazard.	AVR1:0
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	No Hazard.	AVR1:0
		11	No Hazard.	AVR1:0
		12	Normal operation.	
		13	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		15	Normal operation.	
		16	Normal operation.	
		17	No Hazard.	AVR1:0
		18	Normal operation.	
		19	Normal operation.	
		20	Normal operation.	
		21	No Hazard.	AVR1:0
		22	No Hazard.	AVR1:0
		23	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC202	Open	24	No Hazard.	AVR1:0
		25	Normal operation.	
		26	No Hazard.	AVR1:0
		27	No Hazard.	AVR1:0
		28	Normal operation.	
		29	Normal operation.	
		30	Normal operation.	
		31	Normal operation.	
		32	Normal operation.	
		33	No Hazard.	AVR1:0
		34	Normal operation.	
		35	No Hazard.	AVR1:0
		36	Normal operation.	
		37	Normal operation.	
		38	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	No Hazard.	AVR1:0
		8-9	Normal operation.	
		9-10	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC202	Short	11-12	No Hazard.	AVR1:0
		12-13	No Hazard.	AVR1:0
		13-14	No Hazard.	AVR1:0
		14-15	No Hazard.	AVR1:0
		15-16	Normal operation.	
		16-17	Normal operation.	
		17-18	Normal operation.	
		18-19	No Hazard.	AVR1:0
		20-21	No Hazard.	AVR1:0
		21-22	Normal operation.	
		22-23	No Hazard.	AVR1:0
		23-24	Normal operation.	
		24-25	Normal operation.	
		25-26	No Hazard.	AVR1:0
		26-27	No Hazard.	AVR1:0
		27-28	No Hazard.	AVR1:0
		28-29	No Hazard.	AVR1:0
		29-30	No Hazard.	AVR1:0
		30-31	Normal operation.	
		31-32	Normal operation.	
		32-33	Normal operation.	
		33-34	No Hazard.	AVR1:0
		34-35	Normal operation.	
		35-36	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC202	Short	36-37	Normal operation.	
		37-38	Normal operation.	
IC301	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	Normal operation.	
		5	No Hazard.	AVR1:0
		6	F101, F102 opened, No hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	Normal operation.	
		9	Normal operation.	
		10	Normal operation.	
		11	F101, F102 opened, No hazard.	AVR1:0
		12	F101, F102 opened, No hazard.	AVR1:0
		13	No Hazard.	AVR1:0
		14	Normal operation.	
	Short	1-2	F101, F102 opened, No hazard.	AVR1:0
		2-3	F101, F102 opened, No hazard.	
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	No Hazard.	AVR1:0
		6-7	F101, F102 opened, No hazard.	AVR1:0
		7-8	Normal operation.	
		9-10	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC301	Short	10-11	Normal operation.	
		11-12	No Hazard.	AVR1:0
		12-13	F101, F102 opened, No hazard.	AVR1:0
		13-14	Normal operation.	
IC302	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	Normal operation.	
		5	No Hazard.	AVR1:0
		6	F101, F102 opened, No hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	Normal operation.	
		9	Normal operation.	
		10	Normal operation.	
		11	F101, F102 opened, No hazard.	AVR1:0
		12	F101, F102 opened, No hazard.	AVR1:0
		13	No Hazard.	AVR1:0
		14	Normal operation.	
	Short	1-2	F101, F102 opened, No hazard.	AVR1:0
		2-3	F101, F102 opened, No hazard.	
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	No Hazard.	AVR1:0
		6-7	F101, F102 opened, No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC302	Short	7-8	Normal operation.	
		9-10	Normal operation.	
		10-11	Normal operation.	
		11-12	No Hazard.	AVR1:0
		12-13	F101, F102 opened, No hazard.	AVR1:0
		13-14	Normal operation.	
IC331	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	No Hazard.	AVR1:0
		11	Normal operation.	
		12	Normal operation.	
		13	Normal operation.	
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	Normal operation.	
		18	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC331	Open	19	No Hazard.	AVR1:0
		20	No Hazard.	AVR1:0
		21	No Hazard.	AVR1:0
		22	No Hazard.	AVR1:0
		23	No Hazard.	AVR1:0
		24	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	No Hazard.	AVR1:0
		6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	Normal operation.	
		9-10	See 104 Page.	
		10-11	See 104 Page.	
		11-12	No Hazard.	AVR1:0
		13-14	Normal operation.	
		14-15	Normal operation.	
		15-16	No Hazard.	AVR1:0
		16-17	No Hazard.	AVR1:0
		17-18	Normal operation.	
		18-19	No Hazard.	AVR1:0
		19-20	F101, F102 opened, No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC331	Short	20-21	F101, F102 opened, No hazard.	AVR1:0
		21-22	F101, F102 opened, No hazard.	AVR1:0
		22-23	F101, F102 opened, No hazard.	AVR1:0
		23-24	No Hazard.	AVR1:0
IC501	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	Normal operation.	
		7-8	No Hazard.	AVR1:0
IC502	Open	K	Normal operation.	
		A	Normal operation.	
		R	Normal operation.	
	Short	A-K	Normal operation.	
		K-R	Normal operation.	
		R-A	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC521	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-2	Output voltage increased. No hazard.	AVR1:50.3
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
IC522	Open	K	Normal operation.	
		A	Normal operation.	
		R	Normal operation.	
	Short	A-K	No Hazard.	AVR1:0
		K-R	No Hazard.	AVR1:0
		R-A	Normal operation.	
IC531	Open	1	Normal operation.	
		2	Normal operation.	
		3	No Hazard.	AVR1:0
		4	Output voltage increased. No hazard.	AVR1:52.6

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Component	Mode		Comment	Output Voltage (V)
IC531	Open	5	Output voltage increased. No hazard.	AVR1:52.6
		6	Output voltage decreased. No hazard.	AVR1:45.9
		7	Normal operation.	
		8	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		3-4	Normal operation.	
		5-6	Output voltage decreased or increased.	AVR1:44.2~52.6
		6-7	Output voltage decreased or increased.	AVR1:46.0~49.9
		7-8	Output voltage decreased or increased.	AVR1:44.2~52.6
IC541	Open	1	Normal operation.	
		2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	Normal operation.	
		7-8	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC551	Open	K	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		K-R	No Hazard.	AVR1:0
		R-A	Output voltage increased. No hazard.	AVR1:54.1
IC601	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	
		3	Normal operation.	
		4	No Hazard.	AVR1:0
		5	Normal operation.	
		6	No Hazard.	AVR1:0
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	Normal operation.	
		11	Normal operation.	
		12	Normal operation.	
		13	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		15	Normal operation.	
		16	Normal operation.	
		17	Normal operation.	
		18	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Open	19	Normal operation.	
		20	Normal operation.	
		21	Normal operation.	
		22	Normal operation.	
		23	Normal operation.	
		24	Normal operation.	
		25	Normal operation.	
		26	Normal operation.	
		27	Normal operation.	
		28	No Hazard.	AVR1:0
		29	No Hazard.	AVR1:0
		30	Normal operation.	
		31	Normal operation.	
		32	Normal operation.	
		33	Normal operation.	
		34	Normal operation.	
		35	No Hazard.	AVR1:0
		36	Normal operation.	
		37	No Hazard.	AVR1:0
		38	Normal operation.	
	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	
		3-4	No Hazard.	AVR1:0
		4-5	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Short	5-6	Normal operation.	
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
		8-9	No Hazard.	AVR1:0
		9-10	Normal operation.	
		11-12	No Hazard.	AVR1:0
		12-13	No Hazard.	AVR1:0
		13-14	No Hazard.	AVR1:0
		14-15	Normal operation.	
		15-16	Normal operation.	
		16-17	Normal operation.	
		17-18	Normal operation.	
		18-19	No Hazard.	AVR1:0
		20-21	Normal operation.	
		21-22	Normal operation.	
		22-23	Normal operation.	
		23-24	Normal operation.	
		24-25	Normal operation.	
		25-26	Normal operation.	
		26-27	Normal operation.	
		27-28	No Hazard.	AVR1:0
		28-29	No Hazard.	AVR1:0
		29-30	No Hazard.	AVR1:0
		30-31	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC601	Short	31-32	Normal operation.	
		32-33	Normal operation.	
		33-34	No Hazard.	AVR1:0
		34-35	Normal operation.	
		35-36	Normal operation.	
		36-37	No Hazard.	AVR1:0
		37-38	No Hazard.	AVR1:0
IC711	Open	1	See 105 Page.	
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
IC712	Open	K	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC712	Short	A-K	No Hazard.	AVR1:0
		K-R	No Hazard.	AVR1:0
		R-A	No Hazard.	AVR1:0
IC721	Open	1	Normal operation.	
		2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		3-4	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
IC722	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
IC722	Open	8	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
IC801	Open	K	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0
	Short	A-K	See 105 Page.	
		K-R	See 105 Page.	
		R-A	See 105 Page.	
IC802	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
	Short	1-2	Normal operation.	
		1-3	Normal operation.	
		2-3	No Hazard.	AVR1:0
		2-4	Normal operation.	
		3-4	Normal operation.	
IC803	Open	1	Normal operation.	
		2	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC803	Open	3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	See 105 Page.	
		3-4	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	See 105 Page.	
IC804	Open	K	Normal operation.	
		A	Normal operation.	
		R	Normal operation.	
	Short	A-K	No Hazard.	AVR1:0
		K-R	No Hazard.	AVR1:0
		R-A	Normal operation.	
IC805	Open	K	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0
	Short	A-K	Normal operation.	
		K-R	Normal operation.	
		R-A	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
J201	Open		Normal operation.	
J301	Open		No Hazard.	AVR1:0
J302	Open		No Hazard.	AVR1:0
J303	Open		Normal operation.	
J304	Open		No Hazard.	AVR1:0
J305	Open		No Hazard.	AVR1:0
J307	Open		No Hazard.	AVR1:0
J309	Open		No Hazard.	AVR1:0
J311	Open		No Hazard.	AVR1:0
J701	Open		Normal operation.	
J702	Open		Normal operation.	
J703	Open		Normal operation.	
J704	Open		Normal operation.	
J705	Open		Normal operation.	
J706	Open		Normal operation.	
J707	Open		Normal operation.	
J801	Open		Normal operation.	
L101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		3-4	Normal operation.	
L102	Open	1	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
L102	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		3-4	Normal operation.	
L103	Open		No Hazard.	AVR1:0
	Short		F101, F102 opened, No hazard.	AVR1:0
L104	Open		No Hazard.	AVR1:0
	Short		F101, F102 opened, No hazard.	AVR1:0
L105	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		Normal operation.	
L106	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		Normal operation.	
L150	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L301	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L311	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		Normal operation.	
L312	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		Normal operation.	
L313	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		Normal operation.	
L314	Open		F101, F102 opened, No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
L314	Short		Normal operation.	
L501	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L601	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
LED601	Open		Normal operation.	
	Short		Normal operation.	
LED602	Open		Normal operation.	
	Short		Normal operation.	
PC201	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		C-E	Normal operation.	
PC202	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0
PC203	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	Normal operation.	
PC204	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
PC204	Short	C-E	Normal operation.	
PC205	Open	A, K	Normal operation.	
		VCC, OUT, GND	Normal operation.	
	Short	VCC-OUT	No Hazard.	AVR1:0
		OUT-GND	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
PC331	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
PC332	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0
	Short	A-K	Normal operation.	
		C-E	Normal operation.	
PC601	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	No Hazard.	AVR1:0
		C-E	Normal operation.	
PC602	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	Normal operation.	
PC603	Open	A, K	Normal operation.	
		C, E	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
PC603	Short	A-K	Normal operation.	
		C-E	Normal operation.	
PC604	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	Normal operation.	
PC605	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	Normal operation.	
PTH201	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
PTH202	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
PTH601	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
PTH602	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
SS101	Open	1	Normal operation.	
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	See 105 Page.	
		1-3	See 105 Page.	

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Component	Mode		Comment	Output Voltage (V)
SS101	Short	2-4	F101, F102 opened, No hazard.	AVR1:0
		3-4	F101, F102 opened, No hazard.	AVR1:0
SS102	Open	1	Normal operation.	
		2	F101, F102 opened, No hazard.	AVR1:0
		3	Normal operation.	
	Short	1-2	See 105 Page.	
		2-3	See 105 Page.	
SS103	Open	1	Normal operation.	
		2	F101, F102 opened, No hazard.	AVR1:0
		3	Normal operation.	
	Short	1-2	See 105 Page.	
		2-3	See 105 Page.	
SS501	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
	Short	1-2	F101, F102 opened, No hazard.	AVR1:0
		2-3	F101, F102 opened, No hazard.	AVR1:0
SS502	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
	Short	1-2	F101, F102 opened, No hazard.	AVR1:0
		2-3	F101, F102 opened, No hazard.	AVR1:0
SS503	Open	1	Normal operation.	
		2	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
SS503	Open	3	Normal operation.	
	Short	1-2	F101, F102 opened, No hazard.	AVR1:0
		2-3	F101, F102 opened, No hazard.	AVR1:0
SS504	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
	Short	1-2	F101, F102 opened, No hazard.	AVR1:0
		2-3	F101, F102 opened, No hazard.	AVR1:0
SS701	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
T301	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	Normal operation.	
		11	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
T301	Short	1-2	F101, F102 opened, No hazard.	AVR1:0
		2-3	Normal operation.	
		3-4	Normal operation.	
		4-5	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	F101, F102 opened, No hazard.	AVR1:0
		9-10	Normal operation.	
		10-11	Normal operation.	
T302	Open	1	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	F101, F102 opened, No hazard.	AVR1:0
		8	F101, F102 opened, No hazard.	AVR1:0
	Short	1-3	Normal operation.	
		1-7	Normal operation.	
		3-8	Normal operation.	
		4-5	Normal operation.	
		4-8	Normal operation.	
		5-6	Normal operation.	
T701	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
T701	Open	3	No Hazard.	AVR1:0
		4	Normal operation.	
		5	No Hazard.	AVR1:0
		6	Normal operation.	
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		2-3	No Hazard.	AVR1:0
		3-4	Normal operation.	
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
		8-9	No Hazard.	AVR1:0
TB101	Open	L	No Hazard.	AVR1:0
		N	No Hazard.	AVR1:0
		FG	Normal operation.	
TH203	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
TH204	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
TR101	Open	D	See 105 Page.	
		S	See 105 Page.	
		G	See 105 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR101	Short	D-S	See 105 Page.	
		S-G	See 105 Page.	
		G-D	See 105 Page.	
TR102	Open	D	See 105 Page.	
		S	See 105 Page.	
		G	See 105 Page.	
	Short	D-S	See 105 Page.	
		S-G	See 105 Page.	
		G-D	See 105 Page.	
TR104	Open	C	F101, F102 opened, No hazard.	AVR1:0
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	F101, F102 opened, No hazard.	AVR1:0
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR106	Open	C	F101, F102 opened, No hazard.	AVR1:0
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	F101, F102 opened, No hazard.	AVR1:0
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR181	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR181	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR182	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR202	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR203	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR203	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR204	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR206	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR207	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR301	Open	D	See 106 Page.	
		S	See 106 Page.	
		G	See 106 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR301	Short	D-S	See 106 Page.	
		S-G	See 106 Page.	
		G-D	See 106 Page.	
TR302	Open	D	See 106 Page.	
		S	See 106 Page.	
		G	See 106 Page.	
	Short	D-S	See 106 Page.	
		S-G	See 106 Page.	
		G-D	See 106 Page.	
TR303	Open	D	See 106 Page.	
		S	See 106 Page.	
		G	See 106 Page.	
	Short	D-S	See 106 Page.	
		S-G	See 106 Page.	
		G-D	See 106 Page.	
TR304	Open	D	See 106 Page.	
		S	See 106 Page.	
		G	See 106 Page.	
	Short	D-S	See 106 Page.	
		S-G	See 106 Page.	
		G-D	See 106 Page.	
TR305	Open	C	Normal operation.	
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR305	Short	C-E	F101, F102 opened, No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR306	Open	C	Normal operation.	
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0
	Short	C-E	F101, F102 opened, No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR307	Open	C	Normal operation.	
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0
	Short	C-E	F101, F102 opened, No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR308	Open	C	Normal operation.	
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0
	Short	C-E	F101, F102 opened, No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR309	Open	C	Normal operation.	
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR309	Short	C-E	F101, F102 opened, No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR310	Open	C	Normal operation.	
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0
	Short	C-E	F101, F102 opened, No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR311	Open	C	Normal operation.	
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0
	Short	C-E	F101, F102 opened, No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR312	Open	C	Normal operation.	
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0
	Short	C-E	F101, F102 opened, No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	F101, F102 opened, No hazard.	AVR1:0
TR332	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR332	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR501	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	See 107 Page.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR502	Open	D	See 107 Page.	
		S	See 107 Page.	
		G	See 107 Page.	
	Short	D-S	Normal operation.	
		S-G	See 107 Page.	
		G-D	See 107 Page.	
TR503	Open	D	See 107 Page.	
		S	See 107 Page.	
		G	See 107 Page.	
	Short	D-S	Normal operation.	
		S-G	See 107 Page.	
		G-D	See 107 Page.	
TR504	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR504	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR505	Open	C (6)	Normal operation.	
		E (1)	Normal operation.	
		B (2)	Normal operation.	
		C (3)	Normal operation.	
		E (4)	Normal operation.	
		B (5)	Normal operation.	
	Short	E-B (1) - (2)	Normal operation.	
		B-C (2) - (3)	Normal operation.	
		E-B (4) - (5)	Normal operation.	
		B-C (5) - (6)	Normal operation.	
TR506	Open	C (6)	Normal operation.	
		E (1)	Normal operation.	
		B (2)	Normal operation.	
		C (3)	Normal operation.	
		E (4)	Normal operation.	
		B (5)	Normal operation.	
	Short	E-B (1) - (2)	Normal operation.	
		B-C (2) - (3)	Normal operation.	
		E-B (4) - (5)	Normal operation.	
		B-C (5) - (6)	Normal operation.	
TR521	Open	C	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR521	Open	E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR522	Open	C	Normal operation.	
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR524	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR525	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR527	Open	D	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR527	Open	S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR528	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR529	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Output voltage increased. No hazard.	AVR1:53.8
		B-C	No Hazard.	AVR1:0
TR601	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR602	Open	D	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR602	Open	S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR603	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR604	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR605	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	Normal operation.	
TR606	Open	D	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR606	Open	S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR607	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR608	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR609	Open	D	Output voltage decreased. No hazard.	AVR1:47.5
		S	Output voltage decreased. No hazard.	AVR1:47.5
		G	Output voltage decreased. No hazard.	AVR1:47.5
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR610	Open	D	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR610	Open	S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Output voltage decreased. No hazard.	AVR1:47.5
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR611	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:44.7
TR612	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR701	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	See 107 Page.	
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR702	Open	D	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR702	Open	S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR703	Open	D	See 107 Page.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR711	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR712	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR713	Open	C (6)	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR713	Open	E (1)	No Hazard.	AVR1:0
		B (2)	No Hazard.	AVR1:0
		C (3)	Normal operation.	
		E (4)	No Hazard.	AVR1:0
		B (5)	No Hazard.	AVR1:0
	Short	E-B (1) - (2)	No Hazard.	AVR1:0
		B-C (2) - (3)	Normal operation.	
		E-B (4) - (5)	Normal operation.	
		B-C (5) - (6)	No Hazard.	AVR1:0
TR714	Open	C (6)	No Hazard.	AVR1:0
		E (1)	No Hazard.	AVR1:0
		B (2)	No Hazard.	AVR1:0
		C (3)	Normal operation.	
		E (4)	Normal operation.	
		B (5)	Normal operation.	
	Short	E-B (1) - (2)	No Hazard.	AVR1:0
		B-C (2) - (3)	Normal operation.	
		E-B (4) - (5)	Normal operation.	
		B-C (5) - (6)	No Hazard.	AVR1:0
TR715	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR715	Short	B-C	No Hazard.	AVR1:0
TR716	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR717	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR718	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR719	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR719	Short	B-C	No Hazard.	AVR1:0
TR721	Open	C (6)	Normal operation.	
		E (1)	Normal operation.	
		B (2)	Normal operation.	
		C (3)	Normal operation.	
		E (4)	Normal operation.	
		B (5)	Normal operation.	
	Short	E-B (1) - (2)	Normal operation.	
		B-C (2) - (3)	No Hazard.	AVR1:0
		E-B (4) - (5)	Normal operation.	
		B-C (5) - (6)	No Hazard.	AVR1:0
TR722	Open	C (6)	Normal operation.	
		E (1)	Normal operation.	
		B (2)	Normal operation.	
		C (3)	Normal operation.	
		E (4)	No Hazard.	AVR1:0
		B (5)	No Hazard.	AVR1:0
	Short	E-B (1) - (2)	Normal operation.	
		B-C (2) - (3)	No Hazard.	AVR1:0
		E-B (4) - (5)	Normal operation.	
		B-C (5) - (6)	Normal operation.	
TR724	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR724	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	Normal operation.	
TR725	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR726	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR727	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR801	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR801	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	Normal operation.	
TR802	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR803	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
VR501	Open	brush	Output voltage decreased. No hazard.	AVR1:39.2
			No Hazard.	AVR1:0
	Short		Output voltage increased. No hazard.	AVR1:56.4
VR502	Open	brush	No Hazard.	AVR1:0
			No Hazard.	AVR1:0
	Short		Normal operation.	
X101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0



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Component	Mode		Comment	Output Voltage (V)
X101	Open	4	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		3-4	Normal operation.	
XTAL201	Open		No Hazard.	AVR1:0
ZD101	Open		Normal operation.	
	Short		Normal operation.	
ZD102	Open		Normal operation.	
	Short		Normal operation.	
ZD301	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
ZD302	Open		Normal operation.	
	Short		F101, F102 opened, No hazard.	AVR1:0
ZD303	Open		Normal operation.	
	Short		F101, F102 opened, No hazard.	AVR1:0
ZD304	Open		Normal operation.	
	Short		F101, F102 opened, No hazard.	AVR1:0
ZD305	Open		Normal operation.	
	Short		F101, F102 opened, No hazard.	AVR1:0
ZD501	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD503	Open		Normal operation.	
	Short		Normal operation.	
ZD504	Open		Normal operation.	
	Short		Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
ZD505	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD601	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:45.5
ZD701	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD702	Open	Normal operation.	
	Short	Normal operation.	
ZD703	Open	Normal operation.	
	Short	Normal operation.	
ZD704	Open	Normal operation.	
	Short	Normal operation.	
ZD705	Open	Normal operation.	
	Short	Normal operation.	
ZD711	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD712	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD713	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD721	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
ZD722	Open	No Hazard.	AVR1:0
	Short	Normal operation.	



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Component	Mode	Comment	Output Voltage (V)
ZD802	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
R101	Open	Normal operation.	
R102	Open	Normal operation.	
R103	Open	Normal operation.	
R104	Open	Normal operation.	
R105	Open	Normal operation.	
R106	Open	Normal operation.	
R107	Open	Normal operation.	
R108	Open	Normal operation.	
R109	Open	Normal operation.	
R110	Open	Normal operation.	
R111	Open	Normal operation.	
R112	Open	Normal operation.	
R113	Open	Normal operation.	
R114	Open	Normal operation.	
R115	Open	Normal operation.	
R118	Open	Normal operation.	
R119	Open	Normal operation.	
R120	Open	Normal operation.	
R121	Open	Normal operation.	
R122	Open	Normal operation.	
R123	Open	No Hazard.	AVR1:0
R125	Open	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
R126	Open	Normal operation.	
R127	Open	Normal operation.	
R128	Open	Normal operation.	
R129	Open	Normal operation.	
R130	Open	Normal operation.	
R131	Open	Normal operation.	
R132	Open	Normal operation.	
R133	Open	Normal operation.	
R134	Open	No Hazard.	AVR1:0
R136	Open	No Hazard.	AVR1:0
R138	Open	F101, F102 opened, No hazard.	AVR1:0
R139	Open	F101, F102 opened, No hazard.	AVR1:0
R140	Open	No Hazard.	AVR1:0
R141	Open	No Hazard.	AVR1:0
R142	Open	No Hazard.	AVR1:0
R143	Open	No Hazard.	AVR1:0
R144	Open	Normal operation.	
R145	Open	Normal operation.	
R146	Open	No Hazard.	AVR1:0
R147	Open	No Hazard.	AVR1:0
R148	Open	No Hazard.	AVR1:0
R149	Open	No Hazard.	AVR1:0
R150	Open	No Hazard.	AVR1:0
R151	Open	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
R152	Open	No Hazard.	AVR1:0
R153	Open	Normal operation.	
R154	Open	No Hazard.	AVR1:0
R155	Open	No Hazard.	AVR1:0
R156	Open	Normal operation.	
R157	Open	No Hazard.	AVR1:0
R158	Open	Normal operation.	
R159	Open	No Hazard.	AVR1:0
R160	Open	Normal operation.	
R161	Open	Normal operation.	
R162	Open	Normal operation.	
R163	Open	Normal operation.	
R166	Open	No Hazard.	AVR1:0
R167	Open	Normal operation.	
R169	Open	F101, F102 opened, No hazard.	AVR1:0
R170	Open	No Hazard.	AVR1:0
R171	Open	No Hazard.	AVR1:0
R172	Open	No Hazard.	AVR1:0
R173	Open	No Hazard.	AVR1:0
R174	Open	No Hazard.	AVR1:0
R175	Open	No Hazard.	AVR1:0
R176	Open	No Hazard.	AVR1:0
R177	Open	No Hazard.	AVR1:0
R178	Open	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
R179	Open	No Hazard.	AVR1:0
R181	Open	Normal operation.	
R182	Open	Normal operation.	
R183	Open	Normal operation.	
R184	Open	Normal operation.	
R185	Open	Normal operation.	
R186	Open	Normal operation.	
R190	Open	Normal operation.	
R191	Open	Normal operation.	
R192	Open	Normal operation.	
R193	Open	Normal operation.	
R194	Open	Normal operation.	
R195	Open	Normal operation.	
R196	Open	Normal operation.	
R197	Open	Normal operation.	
R198	Open	Normal operation.	
R199	Open	Normal operation.	
R201	Open	No Hazard.	AVR1:0
R203	Open	Normal operation.	
R205	Open	Normal operation.	
R206	Open	Normal operation.	
R207	Open	Normal operation.	
R208	Open	No Hazard.	AVR1:0
R209	Open	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
R210	Open	Normal operation.	
R211	Open	No Hazard.	AVR1:0
R212	Open	No Hazard.	AVR1:0
R213	Open	No Hazard.	AVR1:0
R214	Open	Normal operation.	
R215	Open	Normal operation.	
R217	Open	Normal operation.	
R218	Open	Normal operation.	
R220	Open	Normal operation.	
R221	Open	Normal operation.	
R222	Open	Normal operation.	
R223	Open	Normal operation.	
R226	Open	Normal operation.	
R227	Open	Normal operation.	
R228	Open	Normal operation.	
R229	Open	Normal operation.	
R230	Open	Normal operation.	
R231	Open	Normal operation.	
R232	Open	Normal operation.	
R233	Open	Normal operation.	
R236	Open	Normal operation.	
R237	Open	Normal operation.	
R239	Open	Normal operation.	
R241	Open	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
R242	Open	No Hazard.	AVR1:0
R243	Open	Normal operation.	
R244	Open	No Hazard.	AVR1:0
R245	Open	No Hazard.	AVR1:0
R246	Open	Normal operation.	
R247	Open	Normal operation.	
R248	Open	Normal operation.	
R271	Open	No Hazard.	AVR1:0
R272	Open	No Hazard.	AVR1:0
R273	Open	Normal operation.	
R274	Open	Normal operation.	
R275	Open	No Hazard.	AVR1:0
R303	Open	F101, F102 opened, No hazard.	AVR1:0
R305	Open	F101, F102 opened, No hazard.	AVR1:0
R306	Open	F101, F102 opened, No hazard.	AVR1:0
R307	Open	F101, F102 opened, No hazard.	AVR1:0
R309	Open	F101, F102 opened, No hazard.	AVR1:0
R310	Open	F101, F102 opened, No hazard.	AVR1:0
R311	Open	F101, F102 opened, No hazard.	AVR1:0
R312	Open	F101, F102 opened, No hazard.	AVR1:0
R314	Open	F101, F102 opened, No hazard.	AVR1:0
R315	Open	F101, F102 opened, No hazard.	AVR1:0
R316	Open	F101, F102 opened, No hazard.	AVR1:0
R318	Open	F101, F102 opened, No hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
R319	Open	F101, F102 opened, No hazard.	AVR1:0
R320	Open	F101, F102 opened, No hazard.	AVR1:0
R321	Open	F101, F102 opened, No hazard.	AVR1:0
R322	Open	F101, F102 opened, No hazard.	AVR1:0
R323	Open	F101, F102 opened, No hazard.	AVR1:0
R324	Open	F101, F102 opened, No hazard.	AVR1:0
R325	Open	F101, F102 opened, No hazard.	AVR1:0
R326	Open	F101, F102 opened, No hazard.	AVR1:0
R327	Open	F101, F102 opened, No hazard.	AVR1:0
R328	Open	F101, F102 opened, No hazard.	AVR1:0
R331	Open	Normal operation.	
R332	Open	No Hazard.	AVR1:0
R333	Open	No Hazard.	AVR1:0
R334	Open	Normal operation.	
R335	Open	Normal operation.	
R336	Open	Normal operation.	
R337	Open	Normal operation.	
R338	Open	Normal operation.	
R339	Open	Normal operation.	
R351	Open	No Hazard.	AVR1:0
R352	Open	Normal operation.	
R353	Open	Normal operation.	
R355	Open	No Hazard.	AVR1:0
R356	Open	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
R357	Open	Normal operation.	
R360	Open	Normal operation.	
R361	Open	Normal operation.	
R363	Open	Normal operation.	
R364	Open	Normal operation.	
R365	Open	Normal operation.	
R366	Open	Normal operation.	
R369	Open	No Hazard.	AVR1:0
R370	Open	No Hazard.	AVR1:0
R371	Open	Normal operation.	
R372	Open	Normal operation.	
R379	Open	Normal operation.	
R380	Open	No Hazard.	AVR1:0
R381	Open	No Hazard.	AVR1:0
R386	Open	No Hazard.	AVR1:0
R387	Open	No Hazard.	AVR1:0
R388	Open	Normal operation.	
R389	Open	Normal operation.	
R391	Open	Normal operation.	
R395	Open	Normal operation.	
R501	Open	Normal operation.	
R502	Open	Normal operation.	
R503	Open	Normal operation.	
R504	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R505	Open	Normal operation.	
R506	Open	Normal operation.	
R507	Open	Normal operation.	
R508	Open	Normal operation.	
R509	Open	Normal operation.	
R510	Open	Normal operation.	
R512	Open	No Hazard.	AVR1:0
R513	Open	No Hazard.	AVR1:0
R514	Open	No Hazard.	AVR1:0
R515	Open	Normal operation.	
R516	Open	Normal operation.	
R517	Open	Normal operation.	
R518	Open	Normal operation.	
R519	Open	Normal operation.	
R520	Open	No Hazard.	AVR1:0
R521	Open	Normal operation.	
R522	Open	Normal operation.	
R523	Open	Normal operation.	
R524	Open	Normal operation.	
R525	Open	Normal operation.	
R526	Open	Normal operation.	
R527	Open	Normal operation.	
R528	Open	Normal operation.	
R529	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R530	Open	Normal operation.	
R531	Open	No Hazard.	AVR1:0
R532	Open	No Hazard.	AVR1:0
R533	Open	No Hazard.	AVR1:0
R534	Open	Normal operation.	
R537	Open	No Hazard.	AVR1:0
R540	Open	No Hazard.	AVR1:0
R541	Open	No Hazard.	AVR1:0
R542	Open	No Hazard.	AVR1:0
R543	Open	No Hazard.	AVR1:0
R544	Open	No Hazard.	AVR1:0
R545	Open	No Hazard.	AVR1:0
R546	Open	No Hazard.	AVR1:0
R547	Open	No Hazard.	AVR1:0
R550	Open	No Hazard.	AVR1:0
R551	Open	Normal operation.	
R552	Open	Normal operation.	
R553	Open	Normal operation.	
R554	Open	Normal operation.	
R555	Open	No Hazard.	AVR1:0
R556	Open	No Hazard.	AVR1:0
R557	Open	Normal operation.	
R558	Open	No Hazard.	AVR1:0
R561	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R562	Open	No Hazard.	AVR1:0
R563	Open	Normal operation.	
R564	Open	Output voltage decreased. No hazard.	AVR1:45.3
R565	Open	Output voltage increased. No hazard.	AVR1:50.0
R566	Open	Output voltage increased. No hazard.	AVR1:50.0
R567	Open	Normal operation.	
R568	Open	Output voltage increased. No hazard.	AVR1:50.1
R569	Open	Output voltage decreased. No hazard.	AVR1:45.3
R570	Open	Output voltage decreased. No hazard.	AVR1:45.3
R571	Open	No Hazard.	AVR1:0
R572	Open	No Hazard.	AVR1:0
R573	Open	Normal operation.	
R574	Open	Output voltage decreased. No hazard.	AVR1:47.8
R575	Open	Output voltage decreased. No hazard.	AVR1:47.8
R576	Open	Output voltage decreased. No hazard.	AVR1:47.8
R577	Open	Output voltage increased. No hazard.	AVR1:51.9
R580	Open	Normal operation.	
R581	Open	Normal operation.	
R582	Open	Normal operation.	
R583	Open	No Hazard.	AVR1:0
R584	Open	No Hazard.	AVR1:0
R585	Open	No Hazard.	AVR1:0
R586	Open	No Hazard.	AVR1:0
R587	Open	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R588	Open	Normal operation.	
R590	Open	No Hazard.	AVR1:0
R592	Open	No Hazard.	AVR1:0
R593	Open	No Hazard.	AVR1:0
R594	Open	No Hazard.	AVR1:0
R595	Open	No Hazard.	AVR1:0
R596	Open	Output voltage increased. No hazard.	AVR1:58.1~59.1
R597	Open	No Hazard.	AVR1:0
R598	Open	No Hazard.	AVR1:0
R599	Open	No Hazard.	AVR1:0
R610	Open	Normal operation.	
R611	Open	Normal operation.	
R613	Open	Normal operation.	
R614	Open	Normal operation.	
R615	Open	No Hazard.	AVR1:0
R616	Open	No Hazard.	AVR1:0
R617	Open	No Hazard.	AVR1:0
R618	Open	No Hazard.	AVR1:0
R619	Open	Normal operation.	
R620	Open	Normal operation.	
R621	Open	Normal operation.	
R622	Open	Normal operation.	
R623	Open	Normal operation.	
R624	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R625	Open	Normal operation.	
R626	Open	Normal operation.	
R630	Open	Normal operation.	
R631	Open	Normal operation.	
R632	Open	Normal operation.	
R633	Open	Normal operation.	
R636	Open	Normal operation.	
R637	Open	No Hazard.	AVR1:0
R638	Open	No Hazard.	AVR1:0
R639	Open	Normal operation.	
R640	Open	Normal operation.	
R642	Open	No Hazard.	AVR1:0
R643	Open	Normal operation.	
R644	Open	No Hazard.	AVR1:0
R645	Open	Normal operation.	
R646	Open	Normal operation.	
R647	Open	Normal operation.	
R648	Open	Normal operation.	
R649	Open	Normal operation.	
R650	Open	Normal operation.	
R651	Open	Normal operation.	
R652	Open	Normal operation.	
R653	Open	Normal operation.	
R654	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R655	Open	Normal operation.	
R657	Open	Normal operation.	
R658	Open	Normal operation.	
R660	Open	Normal operation.	
R661	Open	Normal operation.	
R662	Open	Normal operation.	
R663	Open	Normal operation.	
R664	Open	Normal operation.	
R665	Open	No Hazard.	AVR1:0
R666	Open	No Hazard.	AVR1:0
R667	Open	Normal operation.	
R668	Open	Normal operation.	
R669	Open	Normal operation.	
R670	Open	No Hazard.	AVR1:0
R671	Open	No Hazard.	AVR1:0
R672	Open	Normal operation.	
R673	Open	Normal operation.	
R674	Open	No Hazard.	AVR1:0
R675	Open	Normal operation.	
R676	Open	Normal operation.	
R677	Open	Normal operation.	
R678	Open	Normal operation.	
R679	Open	Normal operation.	
R680	Open	Normal operation.	



F M E A

Component	Mode	Comment	Output Voltage (V)
R681	Open	Normal operation.	
R682	Open	Normal operation.	
R683	Open	Normal operation.	
R684	Open	Normal operation.	
R685	Open	Normal operation.	
R686	Open	Normal operation.	
R687	Open	Normal operation.	
R690	Open	Normal operation.	
R691	Open	Normal operation.	
R692	Open	Normal operation.	
R693	Open	Normal operation.	
R694	Open	Normal operation.	
R695	Open	Normal operation.	
R696	Open	Normal operation.	
R697	Open	Normal operation.	
R701	Open	Normal operation.	
R702	Open	Normal operation.	
R703	Open	Normal operation.	
R705	Open	Normal operation.	
R708	Open	Normal operation.	
R711	Open	Normal operation.	
R712	Open	Normal operation.	
R713	Open	Normal operation.	
R714	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R715	Open	Normal operation.	
R716	Open	Normal operation.	
R717	Open	Normal operation.	
R719	Open	No Hazard.	AVR1:0
R720	Open	No Hazard.	AVR1:0
R722	Open	Normal operation.	
R723	Open	Normal operation.	
R724	Open	Normal operation.	
R725	Open	Normal operation.	
R726	Open	Normal operation.	
R728	Open	Normal operation.	
R729	Open	Normal operation.	
R730	Open	Normal operation.	
R731	Open	Normal operation.	
R732	Open	Normal operation.	
R733	Open	Normal operation.	
R734	Open	Normal operation.	
R735	Open	Normal operation.	
R736	Open	No Hazard.	AVR1:0
R737	Open	No Hazard.	AVR1:0
R738	Open	No Hazard.	AVR1:0
R739	Open	No Hazard.	AVR1:0
R740	Open	No Hazard.	AVR1:0
R741	Open	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
R742	Open	No Hazard.	AVR1:0
R743	Open	Normal operation.	
R744	Open	Normal operation.	
R745	Open	No Hazard.	AVR1:0
R746	Open	No Hazard.	AVR1:0
R747	Open	No Hazard.	AVR1:0
R748	Open	No Hazard.	AVR1:0
R749	Open	Normal operation.	
R750	Open	Normal operation.	
R751	Open	Normal operation.	
R752	Open	Normal operation.	
R761	Open	No Hazard.	AVR1:0
R762	Open	Normal operation.	
R763	Open	Normal operation.	
R764	Open	Normal operation.	
R765	Open	Normal operation.	
R766	Open	Normal operation.	
R767	Open	Normal operation.	
R768	Open	Normal operation.	
R769	Open	Normal operation.	
R772	Open	Normal operation.	
R775	Open	Normal operation.	
R776	Open	Normal operation.	
R777	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R779	Open	No Hazard.	AVR1:0
R780	Open	No Hazard.	AVR1:0
R782	Open	Normal operation.	
R783	Open	Normal operation.	
R784	Open	No Hazard.	AVR1:0
R785	Open	No Hazard.	AVR1:0
R786	Open	F101, F102 opened, No hazard.	AVR1:0
R787	Open	Normal operation.	
R788	Open	F101, F102 opened, No hazard.	AVR1:0
R789	Open	Normal operation.	
R791	Open	No Hazard.	AVR1:0
R792	Open	No Hazard.	AVR1:0
R793	Open	Normal operation.	
R794	Open	Normal operation.	
R795	Open	Normal operation.	
R796	Open	Normal operation.	
R801	Open	No Hazard.	AVR1:0
R802	Open	Normal operation.	
R803	Open	No Hazard.	AVR1:0
R805	Open	No Hazard.	AVR1:0
R806	Open	Normal operation.	
R807	Open	Normal operation.	
R809	Open	Normal operation.	
R810	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R811	Open	Normal operation.	
R812	Open	Normal operation.	
R813	Open	Normal operation.	
R814	Open	Normal operation.	
R815	Open	Normal operation.	
R816	Open	No Hazard.	AVR1:0
R817	Open	Normal operation.	
R818	Open	No Hazard.	AVR1:0
R819	Open	No Hazard.	AVR1:0
R820	Open	Normal operation.	
R821	Open	No Hazard.	AVR1:0
R851	Open	No Hazard.	AVR1:0
R852	Open	F101,F102 opened, No hazard.	AVR1:0
R853	Open	No Hazard.	AVR1:0
R854	Open	Normal operation.	
R855	Open	F101,F102 opened, No hazard.	AVR1:0
R856	Open	Normal operation.	
R857	Open	No Hazard.	AVR1:0
R858	Open	No Hazard.	AVR1:0
R859	Open	F101,F102 opened, No hazard.	AVR1:0
R860	Open	Normal operation.	
R861	Open	F101,F102 opened, No hazard.	AVR1:0
R863	Open	Normal operation.	
R864	Open	No Hazard.	AVR1:0



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Component	Mode	Comment	Output Voltage (V)
R865	Open	No Hazard.	AVR1:0
R866	Open	Normal operation.	
R868	Open	Normal operation.	
R869	Open	Normal operation.	
R870	Open	Normal operation.	
R871	Open	No Hazard.	AVR1:0
R872	Open	No Hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C302	Short		No Hazard.	AVR1:0
C303	Short		No Hazard.	AVR1:0
C304	Short		No Hazard.	AVR1:0
C305	Short		No Hazard.	AVR1:0
C306	Short		No Hazard.	AVR1:0
C307	Short		No Hazard.	AVR1:0
C308	Short		No Hazard.	AVR1:0
C309	Short		No Hazard.	AVR1:0
C310	Short		No Hazard.	AVR1:0
C311	Short		No Hazard.	AVR1:0
C616	Short		No Hazard.	AVR1:0
C703	Short		Normal operation.	
C707	Short		No Hazard.	AVR1:0
C810	Short		No Hazard.	AVR1:0
CN502	Short	3-5	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		11-13	No Hazard.	AVR1:0
D302	Short		No Hazard.	AVR1:0
D307	Short		No Hazard.	AVR1:0
D312	Short		No Hazard.	AVR1:0
D313	Short		No Hazard.	AVR1:0
D708	Short		No Hazard.	
IC331	Short	9-10	No Hazard.	AVR1:0
		10-11	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
IC711	Open	1	No Hazard.	AVR1:0
IC801	Short	A-K	No Hazard.	AVR1:0
		K-R	No Hazard.	AVR1:0
		R-A	No Hazard.	AVR1:0
IC803	Short	2-3	Normal operation.	
		7-8	Normal operation.	
SS101	Short	1-2	No Hazard.	AVR1:0
		1-3	No Hazard.	AVR1:0
SS102	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
SS103	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
TR101	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR102	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR301	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR302	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR303	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR304	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR501	Short	D-S	Normal operation.	
TR502	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	S-G	Normal operation.	
		G-D	Normal operation.	
TR503	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	S-G	Normal operation.	
		G-D	Normal operation.	
TR701	Short	D-S	No Hazard.	AVR1:0
TR703	Open	D	Normal operation.	