

ABNORMAL TEST RESULT

OF MODEL PBA1500T

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 : 2/55 ~ 52/55)

(Abnormal Test Result: 53/55 ~ 55/55)

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 or F102 opened, No hazard.	
C102	Open	Normal operation.	
	Short	F101 or F102 opened, No hazard.	
C103	Open	Normal operation.	
	Short	F102 or F103 opened, No hazard.	
C106	Open	Normal operation.	
	Short	R114 or R115 opened, No hazard.	AVR1:0V
C108	Open	Normal operation.	
	Short	R114 or R115 opened, F101 or F102 or F103 opened, No hazard.	AVR1:0V
C109	Open	Normal operation.	
	Short	R114 or R115 opened, F101 or F102 or F103 opened, No hazard.	AVR1:0V
C110	Open	Normal operation.	
	Short	Normal operation.	
C111	Open	Normal operation.	
	Short	Normal operation.	
C112	Open	Normal operation.	
	Short	F101 or F103 opened, No hazard.	
C113	Open	Normal operation.	
	Short	F102 or F103 opened, No hazard.	
C114	Open	Normal operation.	
	Short	See 53 Page.	
C115	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C116	Open	Normal operation.	
	Short	Normal operation.	
C117	Open	Normal operation.	
	Short	F101 or F103 opened, No hazard.	
C119	Open	Normal operation.	
	Short	See 53 Page.	
C120	Open	Normal operation.	
	Short	F101 or F102 or F103 opend, No hazard.	AVR1:0V
C121	Open	Normal operation.	
	Short	F101 or F102 or F103 opend, No hazard.	AVR1:0V
C124	Open	Normal operation.	
	Short	Normal operation.	
C126	Open	R114 or R115 opened, No hazard.	AVR1:0V
	Short	Normal operation.	
C127	Open	Normal operation.	
	Short	R114 or R115 opened, No hazard.	AVR1:0V
C128	Open	Normal operation.	
	Short	Normal operation.	
C129	Open	Normal operation.	
	Short	Normal operation.	
C130	Open	Normal operation.	
	Short	R114 or R115, R124 opened, No hazard.	AVR1:0V
C202	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V

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Component	Mode	Comment	Output Voltage (V)
C203	Open	Normal operation.	
	Short	Normal operation.	AVR1:0V
C204	Open	Normal operation.	
	Short	R114 or R115 opened, No hazard.	AVR1:0V
C205	Open	Normal operation.	
	Short	R114 or R115 opened, No hazard.	AVR1:0V
C206	Open	Normal operation.	
	Short	Normal operation.	
C207	Open	Normal operation.	
	Short	R114 or R115 opened, No hazard.	AVR1:0V
C208	Open	Normal operation.	
	Short	R114 or R115 opened, No hazard.	AVR1:0V
C209	Open	Normal operation.	
	Short	Normal operation.	
C210	Open	No Hazard.	AVR1:0V
	Short	No Hazard.	AVR1:0V
C211	Open	Normal operation.	
	Short	Normal operation.	
C212	Open	Normal operation.	
	Short	Normal operation.	
C215	Open	Normal operation.	
	Short	Normal operation.	
C216	Open	Normal operation.	
	Short	R247 opened, No hazard.	AVR1:0V

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Component	Mode	Comment	Output Voltage (V)
C217	Open	Normal operation.	
	Short	R247 opened, No hazard.	AVR1:0V
C218	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C301	Open	Normal operation.	
	Short	R328 opened, No hazard.	AVR1:0V
C302	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C303	Open	Normal operation.	
	Short	Normal operation.	
C305	Open	No Hazard.	AVR1:0V
	Short	No Hazard.	AVR1:0V
C306	Open	No Hazard.	AVR1:0V
	Short	Normal operation.	
C307	Open	Normal operation.	
	Short	Normal operation.	
C308	Open	No Hazard.	AVR1:0V
	Short	No Hazard.	AVR1:0V
C309	Open	Normal operation.	
	Short	Normal operation.	
C310	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C311	Open	Normal operation.	
	Short	See 53 Page.	

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Component	Mode	Comment	Output Voltage (V)
C312	Open	Normal operation.	
	Short	See 53 Page.	
C313	Open	Normal operation.	
	Short	See 53 Page.	
C318	Open	Normal operation.	
	Short	Normal operation.	
C319	Open	Normal operation.	
	Short	Normal operation.	
C320	Open	Normal operation.	
	Short	Normal operation.	
C321	Open	Normal operation.	
	Short	Normal operation.	
C322	Open	Normal operation.	
	Short	R328 opened, No hazard.	AVR1:0V
C323	Open	Normal operation.	AVR1:decreased
	Short	No Hazard.	AVR1:0V
C324	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C325	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C327	Open	Normal operation.	
	Short	See 53 Page.	
C328	Open	Normal operation.	
	Short	See 53 Page.	

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Component	Mode	Comment	Output Voltage (V)
C330	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C333	Open	Normal operation.	
	Short	Normal operation.	
C334	Open	Normal operation.	
	Short	Normal operation.	
C336	Open	Normal operation.	
	Short	Normal operation.	
C337	Open	Normal operation.	
	Short	Normal operation.	
C402	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C403	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C404	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C405	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C406	Open	Normal operation.	
	Short	Normal operation.	
C407	Open	Normal operation.	
	Short	Normal operation.	
C409	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V

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Component	Mode	Comment	Output Voltage (V)
C410	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C504	Open	No Hazard.	AVR1:0V
	Short	Normal operation.	
C505	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C506	Open	Normal operation.	
	Short	Normal operation.	AVR1:0V
C507	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C508	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C509	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C510	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C511	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C512	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C517	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C518	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V

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Component	Mode		Comment	Output Voltage (V)
C530	Open		Normal operation.	
	Short		Normal operation.	
C531	Open	Except12	Normal operation.	
	Short	Except12	Normal operation.	
C532	Open	Except5, 48	Normal operation.	
	Short	Except5, 48	Normal operation.	
C533	Open	Except5, 48	Normal operation.	
	Short	Except5, 48	Normal operation.	
C534	Open	Except24	Normal operation.	
	Short	Except24	Normal operation.	
C535	Open		Normal operation.	
	Short		Normal operation.	
C536	Open	Except5	Normal operation.	
	Short	Except5	Normal operation.	
C537	Open	Except5	Normal operation.	
	Short	Except5	Normal operation.	
C539	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C540	Open	Only24	Normal operation.	
	Short	Only24	Normal operation.	
C541	Open	Only12	Normal operation.	
	Short	Only12	Normal operation.	
C550	Open	Only48	Normal operation.	
	Short	Only48	No Hazard.	AVR1:0V

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Component	Mode	Comment	Output Voltage (V)
C602	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C604	Open	Normal operation.	
	Short	Normal operation.	
C605	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C606	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C607	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C608	Open	Normal operation.	
	Short	Normal operation.	
C609	Open	Normal operation.	
	Short	Normal operation.	
C610	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C611	Open	Normal operation.	
	Short	Normal operation.	
C612	Open	Normal operation.	
	Short	Normal operation.	
C613	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C615	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
C616	Open		Normal operation.	
	Short		Normal operation.	
C620	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C621	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C622	Open		Normal operation.	
	Short		Normal operation.	
C623	Open		Normal operation.	
	Short		Normal operation.	
C624	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C625	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C626	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C627	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C628	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C629	Open		Normal operation.	
	Short		Normal operation.	
C630	Open	Only5, 24, 48	Normal operation.	
	Short	Only5, 24, 48	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
C631	Open		Normal operation.	
	Short		Normal operation.	
C632	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C634	Open	Only48	Normal operation.	
	Short	Only48	Normal operation.	
C701	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C703	Open		Normal operation.	
	Short		Normal operation.	
C704	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C705	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
C709	Open		Normal operation.	
	Short		Normal operation.	
C710	Open		Normal operation.	
	Short		Normal operation.	
C711	Open		Normal operation.	
	Short		Normal operation.	
C712	Open		Normal operation.	
	Short		Normal operation.	
C713	Open		Normal operation.	
	Short		Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C714	Open	Normal operation.	
	Short	Normal operation.	
C715	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
C716	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
D101	Open	R114 or R115 opened, No hazard.	AVR1:0V
	Short	R114 or R115 opened, No hazard.	AVR1:0V
D102	Open	Normal operation.	
	Short	R114 or R115 opened, No hazard.	AVR1:0V
D103	Open	Normal operation.	
	Short	Normal operation.	
D104	Open	Normal operation.	
	Short	R114 or R115 opened, No hazard.	AVR1:0V
D105	Open	Normal operation.	
	Short	Normal operation.	
D106	Open	Normal operation.	
	Short	R114 or R115, R124 opened, No hazard.	AVR1:0V
D108	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
D109	Open	R114 or R115 opened, No hazard.	AVR1:0V
	Short	R114 or R115 opened, No hazard.	AVR1:0V
D110	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
D111	Open	Normal operation.	
	Short	Normal operation.	
D112	Open	No Hazard.	
	Short	Normal operation.	
D201	Open	No Hazard.	AVR1:0V
	Short	Normal operation.	
D202	Open	Normal operation.	
	Short	Normal operation.	
D207	Open	Normal operation.	
	Short	Normal operation.	
D208	Open	Normal operation.	
	Short	R114 or R115 opened, No hazard.	AVR1:0V
D209	Open	Normal operation.	
	Short	Normal operation.	
D301	Open	Normal operation.	
	Short	Normal operation.	
D302	Open	Normal operation.	
	Short	Normal operation.	
D303	Open	Normal operation.	
	Short	Normal operation.	
D304	Open	Normal operation.	
	Short	Normal operation.	
D305	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
D306	Open	Normal operation.	
	Short	See 53 Page.	
D307	Open	Normal operation.	
	Short	See 53 Page.	
D308	Open	Normal operation.	
	Short	See 53 Page.	
D309	Open	Normal operation.	
	Short	See 53 Page.	
D310	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
D401	Open	No Hazard.	AVR1:0V
	Short	R401 opened, No hazard.	AVR1:0V
D402	Open	No Hazard.	AVR1:0V
	Short	No Hazard.	AVR1:0V
D403	Open	Normal operation.	
	Short	See 53 Page.	AVR1:0V
D404	Open	Normal operation.	
	Short	Normal operation.	
D405	Open	No Hazard.	AVR1:0V
	Short	Normal operation.	
D501	Open	No Hazard.	AVR1:0V
	Short	Normal operation.	
D502	Open	No Hazard.	AVR1:0V
	Short	No Hazard.	AVR1:0V

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Component	Mode	Comment	Output Voltage (V)
D601	Open	No Hazard.	AVR1:0V
	Short	No Hazard.	AVR1:0V
D603	Open	No Hazard.	AVR1:0V
	Short	Normal operation.	
D605	Open	No Hazard.	AVR1:0V
	Short	Normal operation.	
D606	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
D607	Open	Normal operation.	
	Short	Normal operation.	
D608	Open	No Hazard.	AVR1:0V
	Short	Normal operation.	
D609	Open	Normal operation.	
	Short	Normal operation.	AVR1:0V
D610	Open	Normal operation.	
	Short	Normal operation.	AVR1:decreased
D611	Open	Normal operation.	
	Short	Normal operation.	
D612	Open	Normal operation.	
	Short	Normal operation.	
D613	Open	Normal operation.	
	Short	No Hazard.	AVR1:0V
D614	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
D615	Open		Normal operation.	
	Short		Normal operation.	
D621	Open		Normal operation.	
	Short		Normal operation.	
D622	Open		Normal operation.	
	Short		Normal operation.	
D623	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
D701	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
D702	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
D704	Open		Normal operation.	
	Short		Normal operation.	
D705	Open		Normal operation.	
	Short		Normal operation.	
D706	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
D707	Open		Normal operation.	
	Short		Normal operation.	
IC201	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC201	Open	5	Normal operation.	
		6	Normal operation.	
		7	R114 or R115 opened, No hazard.	AVR1:0V
		8	R114 or R115 opened, No hazard.	AVR1:0V
		9	R114 or R115 opened, No hazard.	AVR1:0V
		10	R114 or R115 opened, No hazard.	AVR1:0V
		11	Normal operation.	
		12	R114 or R115 opened, No hazard.	AVR1:0V
		13	R114 or R115 opened, No hazard.	AVR1:0V
		14	Normal operation.	
		15	R114 or R115 opened, No hazard.	AVR1:0V
		16	Normal operation.	
	Short	1-2	R114 or R115 opened, No hazard.	AVR1:0V
		2-3	Normal operation.	
		3-4	Normal operation.	
		4-5	R114 or R115 opened, No hazard.	AVR1:0V
		5-6	R114 or R115 opened, No hazard.	AVR1:0V
		6-7	Normal operation.	
		7-8	R114 or R115 opened, No hazard.	AVR1:0V
		9-10	Normal operation.	
		10-11	R114 or R115 opened, No hazard.	AVR1:0V
		11-12	Normal operation.	
		12-13	Normal operation.	
		13-14	R114 or R115 opened, No hazard.	AVR1:0V

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Component	Mode		Comment	Output Voltage (V)
IC201	Short	14-15	R114 or R115 opened, No hazard.	AVR1:0V
		15-16	R114 or R115 opened, No hazard.	AVR1:0V
IC301	Open	1	No Hazard.	AVR1:0V
		2	No Hazard.	AVR1:0V
		3	F302 opened, No hazard.	AVR1:0V
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	No Hazard.	AVR1:0V
		11	No Hazard.	AVR1:0V
		12	No Hazard.	AVR1:0V
		13	Output voltage decreased. No hazard.	AVR1:0V
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	No Hazard.	AVR1:0V
		18	Output voltage decreased. No hazard.	AVR1:0V
		19	Output voltage decreased. No hazard.	AVR1:0V
		20	No Hazard.	AVR1:0V
	Short	1-2	See 53 Page.	
		2-3	No Hazard.	AVR1:0V

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Component	Mode		Comment	Output Voltage (V)
IC301	Short	3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	Normal operation.	
		9-10	No Hazard.	AVR1:0V
		11-12	No Hazard.	AVR1:0V
		12-13	No Hazard.	AVR1:0V
		13-14	Normal operation.	
		14-15	Normal operation.	
		15-16	Normal operation.	
		16-17	Normal operation.	
		17-18	Normal operation.	
		18-19	Normal operation.	
		19-20	R328 opened, No hazard.	AVR1:0V
IC401	Open	1	No Hazard.	AVR1:0V
		2	No Hazard.	AVR1:0V
		3	No Hazard.	AVR1:0V
	Short	1-2	No Hazard.	AVR1:0V
		2-3	See 53 Page.	
IC501	Open	Only48 K	Normal operation.	
		Only48 A	Normal operation.	
		Only48 R	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC501	Short	Only48 A-K	No Hazard.	AVR1:0V
		Only48 K-R	No Hazard.	AVR1:0V
		Only48 R-A	Normal operation.	
IC602	Open	3	No Hazard.	AVR1:0V
		4	No Hazard.	AVR1:0V
		5	No Hazard.	AVR1:0V
		6	No Hazard.	AVR1:0V
		7	No Hazard.	AVR1:0V
		8	No Hazard.	AVR1:0V
	Short	1-2	No Hazard.	AVR1:0V
		2-3	No Hazard.	AVR1:0V
		3-4	No Hazard.	AVR1:0V
		5-6	No Hazard.	AVR1:0V
		6-7	No Hazard.	AVR1:0V
		7-8	No Hazard.	AVR1:0V
IC603	Open	K	No Hazard.	AVR1:0V
		A	No Hazard.	AVR1:0V
		R	No Hazard.	AVR1:0V
	Short	A-K	No Hazard.	AVR1:0V
		K-R	No Hazard.	AVR1:0V
		R-A	No Hazard.	AVR1:0V
IC604	Open	1	Normal operation.	
		2	No Hazard.	AVR1:0V
		3	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC604	Open	4	Normal operation.	
		5	Normal operation.	
		6	No Hazard.	AVR1:0V
		7	Normal operation.	
		8	Normal operation.	
		9	No Hazard.	AVR1:0V
		10	Normal operation.	
		11	Normal operation.	
		12	Normal operation.	
		13	Normal operation.	
		14	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		3-4	No Hazard.	AVR1:0V
		4-5	No Hazard.	AVR1:0V
		5-6	Normal operation.	
		6-7	Normal operation.	
		8-9	Normal operation.	
		9-10	Normal operation.	
		10-11	Normal operation.	
		11-12	Normal operation.	
		12-13	Normal operation.	
		13-14	Normal operation.	
IC701	Open	1	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC701	Open	2	Normal operation.	
		3	Normal operation.	
J510	Open	only5, 12, 24	Normal operation.	
L101	Open	L1	Normal operation.	
		L2	Normal operation.	
		L3	Normal operation.	
	Short	L1-L2	F101 or F102 opened, No hazard.	
		L2-L3	F102 or F103 opened, No hazard.	
		L3-L1	F101 or F103 opened, No hazard.	
L102	Open		No Hazard.	AVR1:0V
	Short		Normal operation.	
L103	Open	1-3, 7-9	No Hazard.	AVR1:0V
		5, 6	R114 or R115 opened, No hazard.	AVR1:0V
	Short	1-3, 7-9	R114 or R115 opened, No hazard.	AVR1:0V
		5, 6	R114 or R115 opened, No hazard.	AVR1:0V
L104	Open		R114 or R115 opened, No hazard.	AVR1:0V
	Short		Normal operation.	
L105	Open		R114 or R115 opened, No hazard.	AVR1:0V
	Short		Normal operation.	
L108	Open		Normal operation.	
	Short		Normal operation.	
L109	Open		Normal operation.	
L110	Open		Normal operation.	
L112	Open		No Hazard.	AVR1:0V

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Component	Mode		Comment	Output Voltage (V)
L112	Short		No Hazard.	AVR1:0V
L113	Open		No Hazard.	AVR1:0V
	Short		Normal operation.	
L301	Open		F302 opened, No hazard.	AVR1:0V
	Short		Normal operation.	
L302	Open		F302 opened, No hazard.	AVR1:0V
	Short		Normal operation.	
L304	Open		F302 opened, No hazard.	AVR1:0V
	Short		Normal operation.	
L305	Open		F302 opened, No hazard.	AVR1:0V
	Short		Normal operation.	
L501	Open	1	No Hazard.	AVR1:0V
		2	No Hazard.	AVR1:0V
		3	No Hazard.	AVR1:0V
		4	No Hazard.	AVR1:0V
	Short	1-2	No Hazard.	AVR1:0V
		3-4	No Hazard.	AVR1:0V
L502	Open		No Hazard.	AVR1:0V
	Short		Normal operation.	
L503	Open		No Hazard.	AVR1:0V
L504	Open	Except48	Normal operation.	
L505	Open	Except48	Normal operation.	
L506	Open	Except48	Normal operation.	
L507	Open	Except48	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
L508	Open		Normal operation.	
L509	Open		Normal operation.	
L510	Open		Normal operation.	
L511	Open		Normal operation.	
L512	Open	Except48	Normal operation.	
L513	Open	Except48	Normal operation.	
L514	Open	Except48	Normal operation.	
L515	Open	Except48	Normal operation.	
L516	Open		Normal operation.	
L517	Open		Normal operation.	
L518	Open		Normal operation.	
L519	Open		Normal operation.	
L520	Open		Normal operation.	
L521	Open		Normal operation.	
L522	Open		Normal operation.	
L523	Open		Normal operation.	
L524	Open	Only5	Normal operation.	
L525	Open	Only5	Normal operation.	
L526	Open		Normal operation.	
L527	Open		Normal operation.	
L528	Open	Only12	Normal operation.	
	Short	Only12	Normal operation.	
L529	Open	Only24	Normal operation.	
	Short	Only24	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
L530	Open		Normal operation.	
L531	Open		Normal operation.	
LED601	Open		Normal operation.	
	Short		Normal operation.	
PC201	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	Normal operation.	
PC301	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0V
PC302	Open	A, K	No Hazard.	AVR1:0V
		C, E	No Hazard.	AVR1:0V
	Short	A-K	No Hazard.	AVR1:0V
		C-E	No Hazard.	AVR1:0V
PC601	Open	A, K	No Hazard.	AVR1:0V
		C, E	No Hazard.	AVR1:0V
	Short	A-K	No Hazard.	AVR1:0V
		C-E	No Hazard.	AVR1:0V
PC602	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0V

F M E A

Component	Mode		Comment	Output Voltage (V)
PC702	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	Normal operation.	
SCR101	Open	K	R114 or R115 opened, No hazard.	AVR1:0V
		A	R114 or R115 opened, No hazard.	AVR1:0V
		G	R114 or R115 opened, No hazard.	AVR1:0V
	Short	K-A	Normal operation.	
		K-G	R114 or R115 opened, No hazard.	AVR1:0V
		A-G		
SS101	Open	+	Normal operation.	
		-	Normal operation.	
		AC	Normal operation.	
	Short	+-AC	F101 or F102 or F103opened, No hazard.	
		--AC	F101 or F102 or F103opened, No hazard.	
		AC-AC	F101 or F102 or F103opened, No hazard.	
SS102	Open	+	Normal operation.	
		-	Normal operation.	
		AC	Normal operation.	
	Short	+-AC	F101 or F102 or F103opened, No hazard.	
		--AC	F101 or F102 or F103opened, No hazard.	
		AC-AC	F101 or F102 or F103opened, No hazard.	
SS103	Open		No Hazard.	AVR1:0V
	Short		R114 or R115 opened, No hazard.	AVR1:0V

F M E A

Component	Mode		Comment	Output Voltage (V)
SS501	Open	Except48	Normal operation.	
	Short	Except48	No Hazard.	AVR1:0V
SS502	Open	Except48	Normal operation.	
	Short	Except48	No Hazard.	AVR1:0V
SS503	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
SS504	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
SS505	Open	Except48	Normal operation.	
	Short	Except48	No Hazard.	AVR1:0V
SS506	Open	Except48	Normal operation.	
	Short	Except48	No Hazard.	AVR1:0V
SS507	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
SS508	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
SS509	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
SS510	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
SS511	Open	Only5	Normal operation.	
	Short	Only5	No Hazard.	AVR1:0V
SS512	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V

F M E A

Component	Mode		Comment	Output Voltage (V)
T103	Open	2	F302 opened, No hazard.	AVR1:0V
		4	F302 opened, No hazard.	AVR1:0V
		6	F302 opened, No hazard.	AVR1:0V
		7	F302 opened, No hazard.	AVR1:0V
		9	F302 opened, No hazard.	AVR1:0V
		10	F302 opened, No hazard.	AVR1:0V
	Short	3-4	F302 opened, No hazard.	AVR1:0V
		6-7	F302 opened, No hazard.	AVR1:0V
		9-10	F302 opened, No hazard.	AVR1:0V
T104	Open	1	No Hazard.	AVR1:0V
		3	No Hazard.	AVR1:0V
		4	Normal operation.	
		7	Normal operation.	
	Short	1-3	Normal operation.	
		4-7	Normal operation.	
T105	Open	1	No Hazard.	AVR1:0V
		2	No Hazard.	AVR1:0V
		3	Normal operation.	
		4	Normal operation.	
	Short	1-2	Normal operation.	
		3-4	Normal operation.	
T301	Open	1	No Hazard.	AVR1:0V
		2	No Hazard.	AVR1:0V
		3	No Hazard.	AVR1:0V

F M E A

Component	Mode		Comment	Output Voltage (V)
T301	Open	4	No Hazard.	AVR1:0V
	Short	1-2	F302 opened, No hazard.	AVR1:0V
		3-4	F302 opened, No hazard.	AVR1:0V
T401	Open	5	R401 opened, No hazard.	AVR1:0V
		6	R401 opened, No hazard.	AVR1:0V
		7	No Hazard.	AVR1:0V
		9	No Hazard.	AVR1:0V
	Short	5-6	No Hazard.	AVR1:0V
		7-9	R410 opened, No hazard.	AVR1:0V
TR101	Open	D	See 53 Page.	
		S	See 53 Page.	
		G	See 53 Page.	
	Short	D-S	See 53 Page.	
		S-G	See 53 Page.	
		G-D	See 53 Page.	
TR102	Open	D	See 53 Page.	
		S	See 53 Page.	
		G	See 53 Page.	
	Short	D-S	See 54 Page.	
		S-G	See 54 Page.	
		G-D	See 54 Page.	
TR109	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR109	Short	C-E	No Hazard.	AVR1:0V
		E-B	No Hazard.	AVR1:0V
		B-C	R114 or R115 opened, No hazard.	AVR1:0V
TR110	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0V
		E-B	No Hazard.	AVR1:0V
		B-C	R114 or R115 opened, No hazard.	AVR1:0V
TR201	Open	C	R114 or R115 opened, No hazard.	AVR1:0V
		E	R114 or R115 opened, No hazard.	AVR1:0V
		B	R114 or R115 opened, No hazard.	AVR1:0V
	Short	C-E	Normal operation.	
		E-B	R114 or R115 opened, No hazard.	AVR1:0V
		B-C	Normal operation.	
TR202	Open	C	R114 or R115 opened, No hazard.	AVR1:0V
		E	R114 or R115 opened, No hazard.	AVR1:0V
		B	R114 or R115 opened, No hazard.	AVR1:0V
	Short	C-E	Normal operation.	
		E-B	R114 or R115 opened, No hazard.	AVR1:0V
		B-C	Normal operation.	
TR203	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR203	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR205	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR206	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0V
		E-B	Normal operation.	
		B-C	Normal operation.	
TR207	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR208	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR208	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR209	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR301	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0V
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0V
TR302	Open	C	No Hazard.	AVR1:0V
		E	No Hazard.	AVR1:0V
		B	No Hazard.	AVR1:0V
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0V
		B-C	Normal operation.	
TR303	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR303	Short	C-E	Normal operation.	AVR1:0V
		E-B	No Hazard.	AVR1:0V
		B-C	No Hazard.	AVR1:0V
TR304	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	AVR1:0V
		E-B	No Hazard.	AVR1:0V
		B-C	No Hazard.	AVR1:0V
TR305	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0V
		E-B	F302 opened, No hazard.	AVR1:0V
		B-C	No Hazard.	AVR1:0V
TR306	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0V
		E-B	F302 opened, No hazard.	AVR1:0V
		B-C	No Hazard.	AVR1:0V
TR307	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR307	Short	C-E	No Hazard.	AVR1:0V
		E-B	F302 opened, No hazard.	AVR1:0V
		B-C	No Hazard.	AVR1:0V
TR308	Open	D	See 54 Page.	
		S	See 54 Page.	
		G	See 54 Page.	
	Short	D-S	See 54 Page.	
		S-G	See 54 Page.	
		G-D	See 54 Page.	
TR309	Open	D	See 54 Page.	
		S	See 54 Page.	
		G	See 54 Page.	
	Short	D-S	See 55 Page.	
		S-G	See 55 Page.	
		G-D	See 55 Page.	
TR311	Open	D	See 55 Page.	
		S	See 55 Page.	
		G	See 55 Page.	
	Short	D-S	See 55 Page.	
		S-G	See 55 Page.	
		G-D	See 55 Page.	
TR312	Open	D	See 55 Page.	
		S	See 55 Page.	
		G	See 55 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR312	Short	D-S	See 55 Page.	
		S-G	See 55 Page.	
		G-D	See 55 Page.	
TR401	Open	C	No Hazard.	AVR1:0V
		E	No Hazard.	AVR1:0V
		B	No Hazard.	AVR1:0V
	Short	C-E	No Hazard.	AVR1:0V
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0V
TR501	Open	Only48 C	Normal operation.	
		Only48 E	Normal operation.	
		Only48 B	Normal operation.	
	Short	Only48 C-E	No Hazard.	AVR1:0V
		Only48 E-B	Normal operation.	
		Only48 B-C	No Hazard.	AVR1:0V
TR601	Open	C	No Hazard.	AVR1:0V
		E	No Hazard.	AVR1:0V
		B	No Hazard.	AVR1:0V
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0V
		B-C	Normal operation.	
TR610	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR610	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR611	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR620	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0V
		E-B	Normal operation.	
		B-C	Normal operation.	
TR621	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR622	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR622	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR623	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR624	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR704	Open	C	No Hazard.	AVR1:0V
		E	No Hazard.	AVR1:0V
		B	No Hazard.	AVR1:0V
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0V
		B-C	No Hazard.	AVR1:0V
TR705	Open	C	No Hazard.	AVR1:0V
		E	No Hazard.	AVR1:0V
		B	No Hazard.	AVR1:0V

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Component	Mode		Comment	Output Voltage (V)
TR705	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0V
		B-C	No Hazard.	AVR1:0V
TR706	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
VR301	Open	brush Only24	Normal operation.	
		Only24	Normal operation.	
	Short	Only24	Normal operation.	
VR601	Open	brush	Output voltage increased. No hazard.	
			No Hazard.	AVR1:0V
	Short		No Hazard.	AVR1:0V
VR602	Open	brush Only48	Output voltage decreased. No hazard.	AVR1:decreased
		Only48	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Only48	No Hazard.	AVR1:0V
ZD201	Open		No Hazard.	AVR1:0V
	Short		Normal operation.	
ZD202	Open		Normal operation.	
	Short		Normal operation.	
ZD203	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V

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Component	Mode		Comment	Output Voltage (V)
ZD204	Open		Normal operation.	
	Short		Normal operation.	
ZD301	Open		No Hazard.	AVR1:0V
	Short		Normal operation.	
ZD302	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
ZD303	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
ZD401	Open		No Hazard.	AVR1:0V
	Short		Normal operation.	
ZD402	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
ZD403	Open		No Hazard.	AVR1:0V
	Short		Normal operation.	
ZD501	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
ZD502	Open	Only24, 48	Normal operation.	
	Short	Only24, 48	No Hazard.	AVR1:0V
ZD601	Open		Normal operation.	
	Short		No Hazard.	AVR1:0V
R101	Open		Normal operation.	
R102	Open		Normal operation.	
R103	Open		Normal operation.	
R104	Open		Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
R105	Open	Normal operation.	
R106	Open	Normal operation.	
R107	Open	Normal operation.	
R108	Open	Normal operation.	
R110	Open	R114 or R115 opened, No hazard.	AVR1:0V
R111	Open	R114 or R115 opened, No hazard.	AVR1:0V
R114	Open	Normal operation.	
R115	Open	Normal operation.	
R116	Open	Normal operation.	
R118	Open	R114 or R115 opened, No hazard.	AVR1:0V
R119	Open	R114 or R115 opened, No hazard.	AVR1:0V
R122	Open	Normal operation.	
R123	Open	Normal operation.	
R124	Open	Normal operation.	
R125	Open	Normal operation.	
R126	Open	Normal operation.	
R127	Open	Normal operation.	
R128	Open	Normal operation.	
R129	Open	Normal operation.	
R130	Open	Normal operation.	
R132	Open	Normal operation.	
R133	Open	No Hazard.	AVR1:0V
R134	Open	No Hazard.	AVR1:0V
R141	Open	No Hazard.	AVR1:0V

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Component	Mode	Comment	Output Voltage (V)
R142	Open	No Hazard.	AVR1:0V
R143	Open	No Hazard.	AVR1:0V
R147	Open	Normal operation.	
R148	Open	Normal operation.	
R149	Open	Normal operation.	
R150	Open	Normal operation.	
R151	Open	Normal operation.	
R152	Open	Normal operation.	
R153	Open	Normal operation.	
R154	Open	Normal operation.	
R155	Open	Normal operation.	
R156	Open	Normal operation.	
R157	Open	Normal operation.	
R201	Open	No Hazard.	AVR1:0V
R202	Open	No Hazard.	AVR1:0V
R203	Open	No Hazard.	AVR1:0V
R204	Open	Normal operation.	
R205	Open	Normal operation.	
R206	Open	Normal operation.	
R207	Open	No Hazard.	AVR1:0V
R208	Open	Normal operation.	
R209	Open	Normal operation.	
R212	Open	Normal operation.	
R213	Open	No Hazard.	AVR1:0V

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Component	Mode	Comment	Output Voltage (V)
R214	Open	No Hazard.	AVR1:0V
R215	Open	Normal operation.	
R216	Open	No Hazard.	AVR1:0V
R217	Open	Normal operation.	
R218	Open	Normal operation.	
R219	Open	Normal operation.	
R220	Open	Normal operation.	
R221	Open	Normal operation.	
R222	Open	Normal operation.	
R223	Open	Normal operation.	
R224	Open	Normal operation.	
R225	Open	Normal operation.	
R226	Open	Normal operation.	
R227	Open	R114 or R115 opened, No hazard.	AVR1:0V
R228	Open	R114 or R115 opened, No hazard.	AVR1:0V
R229	Open	R114 or R115 opened, No hazard.	AVR1:0V
R230	Open	Normal operation.	
R231	Open	Normal operation.	
R232	Open	Normal operation.	
R233	Open	Normal operation.	
R234	Open	Normal operation.	
R235	Open	Normal operation.	
R236	Open	Normal operation.	
R237	Open	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
R238	Open	Normal operation.	
R239	Open	R114 or R115 opened, No hazard.	AVR1:0V
R245	Open	Normal operation.	
R246	Open	Normal operation.	
R247	Open	No Hazard.	AVR1:0V
R249	Open	No Hazard.	AVR1:0V
R250	Open	Normal operation.	
R251	Open	Normal operation.	
R252	Open	Normal operation.	
R253	Open	Normal operation.	
R254	Open	Normal operation.	
R255	Open	Normal operation.	
R256	Open	Normal operation.	
R257	Open	Normal operation.	
R258	Open	Normal operation.	
R259	Open	Normal operation.	
R260	Open	Normal operation.	
R261	Open	Normal operation.	
R301	Open	Normal operation.	
R302	Open	Normal operation.	
R303	Open	No Hazard.	AVR1:0V
R304	Open	No Hazard.	AVR1:0V
R305	Open	Normal operation.	
R306	Open	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
R307	Open		No Hazard.	AVR1:0V
R308	Open		Output voltage decreased. No hazard.	
R309	Open		Output voltage decreased. No hazard.	
R310	Open		Normal operation.	
R311	Open	Only24	Output voltage decreased. No hazard.	
R312	Open		Normal operation.	
R313	Open		Normal operation.	
R314	Open		No Hazard.	AVR1:0V
R315	Open		No Hazard.	AVR1:0V
R316	Open		Normal operation.	
R317	Open		Normal operation.	
R318	Open		No Hazard.	AVR1:0V
R319	Open		No Hazard.	AVR1:0V
R320	Open		F302 opened, No hazard.	AVR1:0V
R321	Open		F302 opened, No hazard.	AVR1:0V
R322	Open		No Hazard.	AVR1:0V
R323	Open		F302 opened, No hazard.	AVR1:0V
R324	Open		F302 opened, No hazard.	AVR1:0V
R325	Open		No Hazard.	AVR1:0V
R326	Open		Normal operation.	
R327	Open		Normal operation.	
R328	Open		No Hazard.	AVR1:0V
R329	Open		Normal operation.	
R331	Open		Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
R332	Open	Only24	Normal operation.	
R345	Open		Normal operation.	
R346	Open		Normal operation.	
R348	Open		Normal operation.	
R349	Open		Normal operation.	
R350	Open		Normal operation.	
R401	Open		No Hazard.	AVR1:0V
R402	Open		No Hazard.	AVR1:0V
R403	Open		No Hazard.	AVR1:0V
R404	Open		Normal operation.	
R405	Open		Normal operation.	
R406	Open		Normal operation.	
R407	Open		Normal operation.	
R408	Open		Normal operation.	
R409	Open		Normal operation.	
R410	Open		Normal operation.	
R413	Open		No Hazard.	AVR1:0V
R414	Open		No Hazard.	AVR1:0V
R415	Open		Normal operation.	
R416	Open		Normal operation.	
R417	Open		No Hazard.	AVR1:0V
R418	Open		No Hazard.	AVR1:0V
R506	Open		No Hazard.	AVR1:0V
R507	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R508	Open		Normal operation.	
R509	Open		Normal operation.	
R510	Open		Normal operation.	
R511	Open		Normal operation.	
R512	Open		Normal operation.	
R513	Open		Normal operation.	
R514	Open		Normal operation.	
R515	Open		Normal operation.	
R516	Open		Normal operation.	
R517	Open	Except24, 48	Normal operation.	
R518	Open		No Hazard.	AVR1:0V
R531	Open		Normal operation.	
R532	Open		Normal operation.	
R540	Open	Except24, 48	Normal operation.	
R541	Open	Except24, 48	Normal operation.	
R542	Open	Except24, 48	Normal operation.	
R543	Open	Except24, 48	Normal operation.	
R550	Open		Normal operation.	
R551	Open		Normal operation.	
R552	Open		Normal operation.	
R553	Open		Normal operation.	
R554	Open	Only12, 24, 48	Normal operation.	
R555	Open	Only, 24, 48	Normal operation.	
R556	Open	Only, 24, 48	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R557	Open	Only, 24, 48	Normal operation.	
R560	Open		Normal operation.	
R561	Open		Normal operation.	
R562	Open		Normal operation.	
R563	Open		Normal operation.	
R564	Open		Normal operation.	
R565	Open		Normal operation.	
R566	Open		Normal operation.	
R567	Open		Normal operation.	
R568	Open		Normal operation.	
R569	Open		Normal operation.	
R570	Open		Normal operation.	
R571	Open		Normal operation.	
R572	Open		Normal operation.	
R573	Open		Normal operation.	
R574	Open		Normal operation.	
R575	Open		Normal operation.	
R580	Open	Only48	Normal operation.	
R581	Open	Only48	Normal operation.	
R582	Open	Only48	Normal operation.	
R583	Open	Only48	Normal operation.	
R584	Open	Only48	Normal operation.	
R585	Open	Only48	Normal operation.	
R601	Open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R602	Open	No Hazard.	AVR1:0V
R603	Open	No Hazard.	AVR1:0V
R604	Open	Normal operation.	
R605	Open	Normal operation.	
R606	Open	No Hazard.	AVR1:0V
R607	Open	No Hazard.	AVR1:0V
R608	Open	Normal operation.	
R609	Open	No Hazard.	AVR1:0V
R610	Open	No Hazard.	AVR1:0V
R611	Open	No Hazard.	AVR1:0V
R612	Open	Normal operation.	
R613	Open	Normal operation.	
R614	Open	Normal operation.	
R615	Open	Normal operation.	
R616	Open	No Hazard.	AVR1:0V
R617	Open	No Hazard.	AVR1:0V
R618	Open	No Hazard.	AVR1:0V
R619	Open	No Hazard.	AVR1:0V
R620	Open	No Hazard.	AVR1:0V
R621	Open	Normal operation.	
R622	Open	No Hazard.	AVR1:0V
R623	Open	No Hazard.	AVR1:0V
R624	Open	No Hazard.	AVR1:0V
R625	Open	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
R625	Short	No Hazard.	AVR1:0V
R626	Open	No Hazard.	AVR1:0V
R627	Open	No Hazard.	AVR1:0V
R628	Open	No Hazard.	AVR1:0V
R629	Open	Normal operation.	
R630	Open	No Hazard.	AVR1:0V
R631	Open	Normal operation.	
R632	Open	Normal operation.	
R633	Open	No Hazard.	AVR1:0V
R634	Open	Normal operation.	
R635	Open	Normal operation.	
R636	Open	Normal operation.	
R637	Open	Normal operation.	
R638	Open	Normal operation.	
R639	Open	Normal operation.	
R640	Open	Normal operation.	
R647	Open	No Hazard.	AVR1:0V
R648	Open	No Hazard.	AVR1:0V
R650	Open	Normal operation.	
R651	Open	Normal operation.	
R652	Open	Normal operation.	
R653	Open	No Hazard.	AVR1:0V
R654	Open	Normal operation.	
R655	Open	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R656	Open		Normal operation.	
R657	Open		Normal operation.	
R658	Open		No Hazard.	AVR1:0V
R659	Open		Normal operation.	
R660	Open		Normal operation.	
R661	Open		Normal operation.	
R662	Open		Normal operation.	
R663	Open	Except48	Output voltage decreased. No hazard.	AVR1:decreased
R665	Open		Normal operation.	
R666	Open		Normal operation.	
R667	Open		Normal operation.	
R668	Open		Normal operation.	
R669	Open		Normal operation.	
R670	Open		Normal operation.	
R671	Open		Normal operation.	
R672	Open		Normal operation.	
R673	Open		Normal operation.	
R674	Open		No Hazard.	AVR1:0V
R701	Open		Normal operation.	
R702	Open		Normal operation.	
R707	Open		No Hazard.	AVR1:0V
R709	Open		Normal operation.	
R710	Open		No Hazard.	AVR1:0V
R711	Open		No Hazard.	AVR1:0V

F M E A

Component	Mode		Comment	Output Voltage (V)
R713	Open		Normal operation.	
R714	Open		Normal operation.	
R718	Open		Normal operation.	
R719	Open		Normal operation.	
R723	Open		Normal operation.	
R724	Open		Normal operation.	
R725	Open		Normal operation.	
R726	Open		Normal operation.	
R727	Open		Normal operation.	
R730	Open		Normal operation.	
harness	Open	1-2	No Hazard.	AVR1:0V

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C101	Short		F101 or F102 opend, No hazard.	
C109	Open		Normal operation.	
C114	Short		R114, R115 opend, No hazard.	AVR1:0V
C119	Short		F101 or F102 or F103 opend, No hazard.	AVR1:0V
C126	Short		Normal operation.	
C127	Short		R114, R115 opend, No hazard.	AVR1:0V
C311	Short		F302 opend, No hazard.	AVR1:0V
C312	Short		F302 opend, No hazard.	AVR1:0V
C313	Short		F302 opend, No hazard.	AVR1:0V
C327	Short		No hazard.	
C328	Short		No hazard.	
D306	Short		F302 opend, No hazard.	AVR1:0V
D307	Short		F302 opend, No hazard.	AVR1:0V
D308	Short		Normal operation.	
D309	Short		Normal operation.	
D403	Short		No hazard.	AVR1:0V
IC301	Short	1-2	No hazard.	AVR1:0V
IC401	Short	2-3	No hazard.	AVR1:0V
TR101	Open	D	No hazard.	
		S	No hazard.	
		G	No hazard.	
	Short	D-S	F101 or F102 or F103 opend, No hazard.	AVR1:0V
		S-G	No hazard.	
		G-D	F101 or F102 or F103 opend, No hazard.	AVR1:0V

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR102	Open	D	No hazard.	
		S	No hazard.	
		G	No hazard.	
	Short	D-S	F101 or F102 or F103 opend, No hazard	AVR1:0V
		S-G	No hazard.	AVR1:0V
		G-D	F101 or F102 or F103 opend, No hazard.	AVR1:0V
TR308	Open	D	No hazard.	AVR1:0V
		S	No hazard.	AVR1:0V
		G	No hazard.	AVR1:0V
	Short	D-S	F302 opend, No hazard.	AVR1:0V
		S-G	Normal operation.	
		G-D	F302 opend, No hazard.	AVR1:0V
TR309	Open	D	No hazard.	AVR1:0V
		S	No hazard.	AVR1:0V
		G	No hazard.	AVR1:0V
	Short	D-S	F302 opend, No hazard.	AVR1:0V
		S-G	Normal operation.	
		G-D	F302 opend, No hazard.	AVR1:0V
TR311	Open	D	No hazard.	AVR1:0V
		S	No hazard.	AVR1:0V
		G	No hazard.	AVR1:0V
	Short	D-S	F302 opend, No hazard.	AVR1:0V
		S-G	Normal operation.	
		G-D	F302 opend, No hazard.	AVR1:0V

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR312	Open	D	No hazard.	AVR1:0V
		S	No hazard.	AVR1:0V
		G	No hazard.	AVR1:0V
	Short	D-S	F302 opend, No hazard.	AVR1:0V
		S-G	Normal operation.	
		G-D	F302 opend, No hazard.	AVR1:0V
VR602	Short	Only48	No hazard.	AVR1:0V
R625	Short		No hazard.	AVR1:0V
harness	Open	1-2	No hazard.	AVR1:0V