

ABNORMAL TEST RESULT

OF MODEL PBA300F

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 : 2/36 ~ 35/36)

(Abnormal Test Result: 36/36 ~ 36/36)

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 opened, No hazard.	AVR1:0
C102	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
C106	Open	Normal operation.	
	Short	R114 opened, No hazard.	AVR1:0
C109	Open	Normal operation.	
	Short	F101 opened, No hazard. R114 opened, No hazard.	AVR1:0
C110	Open	Normal operation.	
	Short	Normal operation.	
C111	Open	Normal operation.	
	Short	Normal operation.	
C119	Open	See 36 Page.	
	Short	R114 opened, No hazard.	AVR1:0
C120	Open	See 36 Page.	
	Short	R114 opened, No hazard.	AVR1:0
C126	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
C128	Open	Normal operation.	
	Short	R114 opened, No hazard.	AVR1:0
C201	Open	Normal operation.	
	Short	Normal operation.	
C203	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
C204	Open	Normal operation.	
	Short	Normal operation.	
C205	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C206	Open	Normal operation.	
	Short	Normal operation.	
C207	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C208	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C209	Open	F101 opened, No hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0
C210	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C211	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C212	Open	F101 opened, No hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C213	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C214	Open	Normal operation.	
	Short	Normal operation.	
C220	Open	F101 opened, No hazard.	AVR1:0
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C301	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C302	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C303	Open	Normal operation.	
	Short	Normal operation.	
C304	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C305	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C306	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
C307	Open	Normal operation.	
	Short	Normal operation.	
C308	Open	Normal operation.	
	Short	Normal operation.	
C310	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C318	Open	Normal operation.	
	Short	Normal operation.	
C320	Open	Normal operation.	
	Short	Normal operation.	
C323	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C324	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C325	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C330	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C398	Open	Normal operation.	
	Short	Normal operation.	
C399	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C401	Open	Normal operation.	
	Short	R410 opened, No hazard.	AVR1:0
C402	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C403	Open	Normal operation.	
	Short	Normal operation.	
C404	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C405	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C406	Open	Normal operation.	
	Short	Normal operation.	
C407	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
C409	Open		Normal operation.	
	Short		Normal operation.	
C504	Open		No Hazard.	AVR1:0
	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
C519	Open	Only 3, 5, 7	Normal operation.	
	Short	Only 3, 5, 7	No Hazard.	AVR1:0
C522	Open	Only 3, 5, 7	Normal operation.	
	Short	Only 3, 5, 7	No Hazard.	AVR1:0
C523	Open	Only 3, 5, 7	Normal operation.	
	Short	Only 3, 5, 7	No Hazard.	AVR1:0
C524	Open	Only 3, 5, 7	Normal operation.	
	Short	Only 3, 5, 7	No Hazard.	AVR1:0
C525	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C530	Open		Normal operation.	
	Short		Normal operation.	
C531	Open		Normal operation.	
	Short		Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
C533	Open		Normal operation.	
	Short		Normal operation.	
C534	Open		Normal operation.	
	Short		Normal operation.	
C556	Open	Only 5	Normal operation.	
	Short	Only 5	No Hazard.	AVR1:0
C601	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C602	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C604	Open		Normal operation.	
	Short		Normal operation.	
C605	Open		Output voltage decreased. No hazard.	AVR1:decreased
	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.	AVR1:0
C608	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C609	Open		Normal operation.	
	Short		Normal operation.	
C615	Open		Normal operation.	
	Short		Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
C620	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C621	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C624	Open		Normal operation.	
	Short		Normal operation.	
C625	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C626	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C627	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C628	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C630	Open	Only 5, 48	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Only 5, 48	Output voltage decreased. No hazard.	AVR1:decreased
C634	Open	Only 48	Normal operation.	
	Short	Only 48	Normal operation.	
C640	Open		Normal operation.	
	Short		Normal operation.	
C701	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C703	Open		Normal operation.	
	Short		Normal operation.	AUX:0V

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Component	Mode	Comment	Output Voltage (V)
C704	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C705	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
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.	
C714	Open	Normal operation.	
	Short	Normal operation.	
C715	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C716	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D101	Open	R114 opened, No hazard.	AVR1:0
	Short	R114 opened, No hazard.	AVR1:0
D102	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
D109	Open		R114 opened, No hazard.	AVR1:0
	Short		R114 opened, No hazard.	AVR1:0
D202	Open		Normal operation.	
	Short		Normal operation.	
D203	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D204	Open		Normal operation.	
	Short		Normal operation.	
D205	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D209	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
D210	Open		Normal operation.	
	Short		Normal operation.	
D301	Open		Normal operation.	
	Short		Normal operation.	
D302	Open		Normal operation.	
	Short		Normal operation.	
D303	Open	Except 5	Normal operation.	
	Short	Except 5	Normal operation.	
D304	Open		Normal operation.	
	Short		Normal operation.	
D401	Open		No Hazard.	AVR1:0
	Short		R401 opened, No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
D402	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D403	Open		Normal operation.	
	Short		See 36 Page.	
D404	Open		Normal operation.	
	Short		Normal operation.	
D405	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
D406	Open		Normal operation.	
	Short		See 36 Page.	
D501	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D502	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D503	Open	Only 36	Normal operation.	
	Short	Only 36	Normal operation.	
D601	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D603	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
D605	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
D608	Open		Normal operation.	
	Short		Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
D610	Open	Normal operation.	
	Short	Normal operation.	
D611	Open	Normal operation.	
	Short	Normal operation.	
D615	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D616	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D623	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D701	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D702	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D704	Open	Normal operation.	
	Short	Normal operation.	
D705	Open	Normal operation.	
	Short	Normal operation.	
D706	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D707	Open	Normal operation.	
	Short	Normal operation.	
D708	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC201	Open	1	F101 opened, No hazard.	AVR1:0
		2	Normal operation.	
		3	Normal operation.	
		4	No Hazard.	AVR1:0
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
		11	Normal operation.	
		12	F101 opened, No hazard.	AVR1:0
		13	No Hazard.	AVR1:0
		14	F101 opened, No hazard.	AVR1:0
		15	No Hazard.	AVR1:0
		16	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
		9-10	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC201	Short	10-11	Normal operation.	
		11-12	F101 opened, No hazard.	AVR1:0
		12-13	F101 opened, No hazard.	AVR1:0
		13-14	F101 opened, No hazard.	AVR1:0
		14-15	F101 opened, No hazard.	AVR1:0
		15-16	F101 opened, No hazard.	AVR1:0
IC301	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	F101 opened, 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	No Hazard.	AVR1:0
		12	No Hazard.	AVR1:0
		13	Output voltage decreased. No hazard.	AVR1:decreased
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	No Hazard.	AVR1:0
		18	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
IC301	Open	19	Output voltage decreased. No hazard.	AVR1:decreased
		20	No Hazard.	AVR1:0
	Short	1-2	See 36 Page.	
		2-3	No Hazard.	AVR1:0
		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.	AVR1:0
		11-12	No Hazard.	AVR1:0
		12-13	No Hazard.	AVR1:0
		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	No Hazard.	AVR1:0
IC302	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC302	Open	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.	
IC401	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	R410 opened, No hazard. IC401 short	AVR1:0
IC601	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
IC602	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	No Hazard.	AVR1:0

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

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Component	Mode		Comment	Output Voltage (V)
IC604	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		3-4	Normal operation.	
		5-6	No Hazard.	AVR1:0
		6-7	Normal operation.	
		7-8	No Hazard.	AVR1:0
IC701	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	
L101	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
L102	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
L103	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	R114 opened, No hazard.	AVR1:0
		4	R114 opened, No hazard.	AVR1:0
	Short	1-2	F101 opened, No hazard.	AVR1:0
		1-3	R114 opened, No hazard.	AVR1:0
L501	Open	1, 3	No Hazard.	AVR1:0
		2, 4	No Hazard.	AVR1:0
	Short	1-3	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
L501	Short	2-4	No Hazard.	AVR1:0
L508	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
LED601	Open		Normal operation.	
	Short		Normal operation.	
PC301	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0
PC302	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0
		D	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		C-E	Output voltage decreased. No hazard.	AVR1:decreased
		D-E	No Hazard.	AVR1:0
		C-D	No Hazard.	AVR1:0
PC602	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0
PC603	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	Normal operation.	

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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 opened, No hazard.	AVR1:0
		A	R114 opened, No hazard.	AVR1:0
		G	R114 opened, No hazard.	AVR1:0
	Short	K-A	Normal operation.	
		K-G	R114 opened, No hazard.	AVR1:0
		A-G	R114 opened, No hazard.	AVR1:0
SS101	Open	+	No Hazard.	AVR1:0
		-	No Hazard.	AVR1:0
		AC	No Hazard.	AVR1:0
	Short	+-AC	F101 opened, No hazard.	AVR1:0
		--AC	F101 opened, No hazard.	AVR1:0
SS103	Open		No Hazard.	AVR1:0
	Short		R114 opened, No hazard.	AVR1:0
SS104	Open		No Hazard.	AVR1:0
	Short		R114 opened, No hazard.	AVR1:0
SS501	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
SS505	Open	Except 48	Normal operation.	
	Short	Except 48	No Hazard.	AVR1:0
T104	Open	1	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	Output voltage increased. No hazard.	AVR1:increased
		7	Output voltage increased. No hazard.	AVR1:increased
	Short	1-3	Normal operation.	
		4-7	Normal operation.	
T301	Open	A	Normal operation.	
		B	Normal operation.	
		C	Normal operation.	
		D	Normal operation.	
		E	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	E-G	R114 opened, No hazard.	AVR1:0
		AC-BD	R114 opened, No hazard.	AVR1:0
T401	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	R401 opened, No hazard. IC401 short	AVR1:0
		6	R401 opened, No hazard. IC401 short	AVR1:0
		7	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
T401	Short	1-2	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		7-9	R401 opened, No hazard.	AVR1:0
THSW301	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
TR101	Open	D	See 36 Page.	
		S	See 36 Page.	
		G	See 36 Page.	
	Short	D-S	See 36 Page.	
		S-G	See 36 Page.	
		G-D	See 36 Page.	
TR109	Open	C	R114 opened, No hazard.	AVR1:0
		E	Normal operation.	
		B	R114 opened, No hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	R114 opened, No hazard.	AVR1:0
TR201	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR202	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
TR301	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
TR302	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR308	Open	D	See 36 Page.	
		S	See 36 Page.	
		G	See 36 Page.	
	Short	D-S	See 36 Page.	
		S-G	See 36 Page.	
		G-D	See 36 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR401	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR610	Open	C	Output voltage increased. No hazard.	AVR1:increased
		E	Output voltage increased. No hazard.	AVR1:increased
		B	Output voltage increased. No hazard.	AVR1:increased
	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	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR704	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR705	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	
TR706	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
VR601	Open	brush	Output voltage increased. No hazard.	AVR1:increased
			No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
VR602	Open	brush Only 48	Output voltage decreased. No hazard.	AVR1:decreased
		Only 48	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Only 48	Output voltage increased. No hazard.	AVR1:increased

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Component	Mode	Comment	Output Voltage (V)
ZD201	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
ZD202	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD203	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD204	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD205	Open	Normal operation.	
	Short	Normal operation.	
ZD206	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD301	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
ZD302	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD303	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD397	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
ZD401	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
ZD402	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
ZD403	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
ZD501	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD502	Open	Only 24, 36, 48	Normal operation.	
	Short	Only 24, 36, 48	No Hazard.	AVR1:0
ZD701	Open		Normal operation.	
	Short		Normal operation.	
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.	
R110	Open		R114 opened, No hazard.	AVR1:0
R111	Open		R114 opened, No hazard.	AVR1:0
R113	Open		F101 opened, No hazard.	AVR1:0
R114	Open		Normal operation.	
R115	Open		See 36 Page.	
R116	Open		Normal operation.	
R118	Open		F101 opened, No hazard.	AVR1:0
R121	Open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R122	Open	F101 opened, No hazard.	AVR1:0
R123	Open	Normal operation.	
R124	Open	Normal operation.	
R125	Open	R114 opened, No hazard.	AVR1:0
R126	Open	Normal operation.	
R201	Open	Normal operation.	
R202	Open	Normal operation.	
R203	Open	Normal operation.	
R204	Open	Normal operation.	
R205	Open	No Hazard.	AVR1:0
R206	Open	Normal operation.	
R207	Open	Normal operation.	
R208	Open	F101 opened, No hazard.	AVR1:0
R209	Open	No Hazard.	AVR1:0
R210	Open	No Hazard.	AVR1:0
R211	Open	Normal operation.	
R212	Open	No Hazard.	AVR1:0
R213	Open	Normal operation.	
R215	Open	No Hazard.	AVR1:0
R216	Open	Normal operation.	
R217	Open	Normal operation.	
R218	Open	Normal operation.	
R219	Open	No Hazard.	AVR1:0
R220	Open	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R221	Open	Normal operation.	
R222	Open	No Hazard.	AVR1:0
R223	Open	No Hazard.	AVR1:0
R224	Open	Normal operation.	
R225	Open	Normal operation.	
R228	Open	Normal operation.	
R229	Open	Normal operation.	
R232	Open	Normal operation.	
R233	Open	No Hazard.	AVR1:0
R234	Open	No Hazard.	AVR1:0
R236	Open	No Hazard.	AVR1:0
R237	Open	No Hazard.	AVR1:0
R291	Open	Normal operation.	
R294	Open	Normal operation.	
R296	Open	Normal operation.	
R297	Open	No Hazard.	AVR1:0
R298	Open	No Hazard.	AVR1:0
R301	Open	Normal operation.	
R302	Open	Normal operation.	
R303	Open	No Hazard.	AVR1:0
R304	Open	No Hazard.	AVR1:0
R305	Open	Normal operation.	
R306	Open	No Hazard.	AVR1:0
R307	Open	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
R308	Open		No Hazard.	AVR1:0
R309	Open		Output voltage decreased. No hazard.	AVR1:decreased
R310	Open		Normal operation.	
R313	Open		Normal operation.	
R314	Open		Normal operation.	
R315	Open		Normal operation.	
R316	Open		Output voltage decreased. No hazard.	AVR1:decreased
R317	Open		Output voltage decreased. No hazard.	AVR1:decreased
R318	Open		No Hazard.	AVR1:0
R319	Open		No Hazard.	AVR1:0
R320	Open		R114 opened, No hazard.	AVR1:0
R321	Open	Except 5	Normal operation.	
R322	Open		No Hazard.	AVR1:0
R325	Open		No Hazard.	AVR1:0
R329	Open		Normal operation.	
R330	Open		Normal operation.	
R331	Open		Normal operation.	
R346	Open		Normal operation.	
R350	Open		Normal operation.	
R351	Open		Normal operation.	
R352	Open		Normal operation.	
R353	Open		Normal operation.	
R354	Open		Normal operation.	
R355	Open		No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
R356	Open	Normal operation.	
R357	Open	Normal operation.	
R396	Open	Normal operation.	
R397	Open	Normal operation.	
R398	Open	Normal operation.	
R399	Open	Normal operation.	
R401	Open	No Hazard.	AVR1:0
R402	Open	No Hazard.	AVR1:0
R403	Open	No Hazard.	AVR1:0
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	No Hazard.	AVR1:0
R411	Open	No Hazard.	AVR1:0
R413	Open	Normal operation.	
R414	Open	Normal operation.	
R415	Open	Normal operation.	
R416	Open	Normal operation.	
R506	Open	No Hazard.	AVR1:0
R507	Open	Normal operation.	
R508	Open	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R509	Open		Normal operation.	
R510	Open		Normal operation.	
R515	Open		Normal operation.	
R516	Open		Normal operation.	
R517	Open	Except 24, 36, 48	Normal operation.	
R518	Open		No Hazard.	AVR1:0
R519	Open		No Hazard.	AVR1:0
R550	Open		Normal operation.	
R551	Open	Except 3, 5	Normal operation.	
R552	Open	Except 3, 5	Normal operation.	
R553	Open	Except 3, 5	Normal operation.	
R554	Open	Except 3, 5, 7	Normal operation.	
R555	Open	Except 3, 5, 7	Normal operation.	
R556	Open	Except 3, 5, 7	Normal operation.	
R557	Open	Except 3, 5, 7	Normal operation.	
R560	Open		Normal operation.	
R561	Open	Except 3, 5	Normal operation.	
R562	Open	Except 3, 5	Normal operation.	
R563	Open	Except 3, 5	Normal operation.	
R564	Open	Except 3, 5, 7	Normal operation.	
R565	Open	Except 3, 5, 7	Normal operation.	
R566	Open	Except 3, 5, 7	Normal operation.	
R567	Open	Except 3, 5, 7	Normal operation.	
R568	Open	Only 36	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
R569	Open	Only 36	Normal operation.	
R610	Open		No Hazard.	AVR1:0
R611	Open		No Hazard.	AVR1:0
R612	Open		Normal operation.	
R613	Open		Normal operation.	
R614	Open		Normal operation.	
R615	Open		Normal operation.	
R616	Open		No Hazard.	AVR1:0
R617	Open		Output voltage decreased. No hazard.	AVR1:decreased
R618	Open		No Hazard.	AVR1:0
R619	Open		No Hazard.	AVR1:0
R620	Open		Output voltage decreased. No hazard.	AVR1:decreased
R622	Open		No Hazard.	AVR1:0
R623	Open		No Hazard.	AVR1:0
R624	Open		No Hazard.	AVR1:0
R625	Open		Output voltage decreased. No hazard.	AVR1:decreased
R626	Open		Output voltage decreased. No hazard.	AVR1:decreased
R627	Open		No Hazard.	AVR1:0
R628	Open		No Hazard.	AVR1:0
R630	Open		No Hazard.	AVR1:0
R633	Open		Normal operation.	
R634	Open		Normal operation.	
R635	Open		Normal operation.	
R636	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R637	Open		Normal operation.	
R638	Open	Only 5, 36	Normal operation.	
R647	Open		No Hazard.	AVR1:0
R648	Open		No Hazard.	AVR1:0
R650	Open		Output voltage decreased. No hazard.	AVR1:decreased
R651	Open		Output voltage decreased. No hazard.	AVR1:decreased
R652	Open		Output voltage decreased. No hazard.	AVR1:decreased
R653	Open		Output voltage decreased. No hazard.	AVR1:decreased
R654	Open		Normal operation.	
R656	Open		Normal operation.	
R658	Open		Normal operation.	
R663	Open	Except 48	Output voltage decreased. No hazard.	AVR1:decreased
R666	Open		No Hazard.	AVR1:0
R673	Open		Normal operation.	
R701	Open		Normal operation.	
R702	Open		Normal operation.	
R707	Open		No Hazard.	AVR1:0
R709	Open		Normal operation.	
R710	Open		Normal operation.	
R711	Open		No Hazard.	AVR1:0
R713	Open		Normal operation.	
R714	Open		Normal operation.	
R718	Open		Normal operation.	
R719	Open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R723	Open	Normal operation.	
R724	Open	Normal operation.	
R725	Open	Normal operation.	
R726	Open	Normal operation.	
R727	Open	Normal operation.	
R730	Open	Normal operation.	
R732	Open	Normal operation.	
R733	Open	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C119	Open		Normal operation.	
C120	Open		Normal operation.	
D403	Short		No Hazard.	AVR1:0
D406	Short		No Hazard.	AVR1:0
IC301	Short	1-2	No Hazard.	AVR1:0
TR101	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR308	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	R114 opened, No hazard.	AVR1:0
	Short	D-S	R114 opened, No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	R114 opened, No hazard.	AVR1:0
R115	Open		No Hazard.	AVR1:0