

ABNORMAL TEST RESULT

OF MODEL LGA240A

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 : 2/14 ~ 13/14)

(Abnormal Test Result: 14/14 ~ 14/14)

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
C110	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C111	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C112	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C113	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C201	Open	No hazard.	AVR1:0
	Short	Normal operation.	
C203	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C204	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	
C206	Open	Normal operation.	
	Short	Normal operation.	
C207	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C208	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C209	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	
C211	Open	Normal operation.	
	Short	See 14 page.	
C212	Open	Normal operation.	
	Short	See 14 page.	
C216	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C501	Open	Normal operation.	
	Short	See 14 page.	
C502	Open	Normal operation.	
	Short	See 14 page.	
C503	Open	Normal operation.	
	Short	See 14 page.	
C504	Open	Normal operation.	
	Short	See 14 page.	
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
C520	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
C521	Open		Normal operation.	
	Short		Normal operation.	
C601	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C602	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D101	Open		No hazard.	AVR1:0
	Short		Normal operation.	
D201	Open		Normal operation.	
	Short		Normal operation.	
D202	Open		Normal operation.	
	Short		No hazard.	AVR1:0
D204	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
D205	Open		Normal operation.	
	Short		Normal operation.	
D206	Open		No hazard.	AVR1:0
	Short		Normal operation.	
D210	Open		Normal operation.	
	Short		Normal operation.	
IC201	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC201	Open	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	Output voltage decreased. No hazard.	AVR1:decreased
		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
		19	Output voltage decreased. No hazard.	AVR1:decreased
		20	No hazard.	AVR1:0
	Short	1-2	Normal operation.	
		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.	

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Component	Mode		Comment	Output Voltage (V)
IC201	Short	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
IC601	Open	K	No hazard.	AVR1:0
		A	No hazard.	AVR1:0
		R	No hazard.	AVR1:0
	Short	A-K	Output voltage decreased. No hazard.	AVR1:decreased
		K-R	Output voltage decreased. No hazard.	AVR1:decreased
		R-A	No hazard.	AVR1:0
J201	Open		No hazard.	AVR1:0
J202	Open		Normal operation.	
J203	Open		Normal operation.	
J204	Open		No hazard.	AVR1:0
J205	Open		Normal operation.	
L101	Open		No hazard.	AVR1:0
	Short		Normal operation.	
L102	Open		No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
L102	Short		Normal operation.	
L507	Open		No hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
PC201	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No hazard.	AVR1:0
PC202	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
SCR101	Open	T1	No hazard.	AVR1:0
		T2	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	T1-T2	Normal operation.	
		T1-G	No hazard.	AVR1:0
		T2-G	No hazard.	AVR1:0
SS101	Open		No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
SS501	Open	Cathode	See 14 page.	
		Alternative	See 14 page.	
	Short		No hazard.	AVR1:0
SS502	Open	Cathode	See 14 page.	
		Alternative	See 14 page.	

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Component	Mode		Comment	Output Voltage (V)
SS502	Short		No hazard.	AVR1:0
T101	Open	2or3	See 14 page.	
		4or5	See 14 page.	
		6	No hazard.	AVR1:0
		7	No hazard.	AVR1:0
		9	No hazard.	AVR1:0
		10	No hazard.	AVR1:0
		11	No hazard.	AVR1:0
	Short	2or3-4or5	No hazard.	AVR1:0
		6-7	No hazard.	AVR1:0
		9-10	No hazard.	AVR1:0
		10-11	No hazard.	AVR1:0
TR201	Open	D	See 14 page.	
		S	See 14 page.	
		G	See 14 page.	
	Short	D-S	See 14 page.	
		S-G	See 14 page.	
		G-D	See 14 page.	
TR202	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	Normal operation.	
		B-C	No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
ZD201	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
ZD601	Open	Normal operation.	
	Short	No hazard.	AVR1:0
R101	Open	Normal operation.	
R102	Open	Normal operation.	
R103	Open	Normal operation.	
R104	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	No hazard.	AVR1:0
R112	Open	No hazard.	AVR1:0
R113	Open	No hazard.	AVR1:0
R114	Open	No hazard.	AVR1:0
R115	Open	No hazard.	AVR1:0
R116	Open	No hazard.	AVR1:0
R120	Open	Normal operation.	
R121	Open	Normal operation.	
R122	Open	Normal operation.	
R123	Open	Normal operation.	
R201	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R202	Open	No hazard.	AVR1:0
R203	Open	Output voltage decreased. No hazard.	AVR1:decreased
R204	Open	Output voltage decreased. No hazard.	AVR1:decreased
R205	Open	Normal operation.	
R206	Open	Normal operation.	
R207	Open	Normal operation.	
R208	Open	Normal operation.	
R209	Open	Normal operation.	
R210	Open	Normal operation.	
R211	Open	Normal operation.	
R212	Open	Normal operation.	
R213	Open	Normal operation.	
R214	Open	Normal operation.	
R215	Open	Normal operation.	
R216	Open	Normal operation.	
R217	Open	Normal operation.	
R218	Open	See 14 page.	
R219	Open	See 14 page.	
R220	Open	Normal operation.	
R221	Open	Normal operation.	
R222	Open	Normal operation.	
R223	Open	Normal operation.	
R224	Open	Normal operation.	
R225	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R226	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.	
R238	Open	Normal operation.	
R239	Open	Normal operation.	
R240	Open	Normal operation.	
R501	Open	Normal operation.	
R502	Open	Normal operation.	
R503	Open	Normal operation.	
R504	Open	Normal operation.	
R505	Open	Normal operation.	
R506	Open	Normal operation.	
R507	Open	Normal operation.	
R508	Open	Normal operation.	
R509	Open	Normal operation.	
R510	Open	Normal operation.	
R511	Open	Normal operation.	
R512	Open	Normal operation.	
R513	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R514	Open	Normal operation.	
R515	Open	Normal operation.	
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.	
R530	Open	Normal operation.	
R531	Open	Normal operation.	
R532	Open	Normal operation.	
R533	Open	Normal operation.	
R534	Open	Normal operation.	
R601	Open	Normal operation.	
R603	Open	Normal operation.	
R604	Open	Normal operation.	
R605	Open	Normal operation.	
R606	Open	Output voltage decreased. No hazard.	AVR1:decreased
R607	Open	No hazard.	AVR1:0
R608	Open	No hazard.	AVR1:0
R609	Open	Output voltage decreased. No hazard.	AVR1:decreased



F M E A

Component	Mode	Comment	Output Voltage (V)
R610	Open	Output voltage decreased. No hazard.	AVR1:decreased
R611	Open	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C211	Short		Normal operation.	
C212	Short		Normal operation.	
C501	Short		Normal operation.	
C502	Short		Normal operation.	
C503	Short		Normal operation.	
C504	Short		Normal operation.	
SS501	Open	Cathode	Normal operation.	
		Alternative	Normal operation.	
SS502	Open	Cathode	Normal operation.	
		Alternative	Normal operation.	
T101	Open	2or3	Normal operation.	
		4or5	Normal operation.	
TR201	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	F101 opened, No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
R218	Open		No hazard.	AVR1:0
R219	Open		No hazard.	AVR1:0