

## ABNORMAL TEST RESULT

OF MODEL SUS312\*\*/SUCS312\*\*

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 : 2/10 ~ 7/10)

( Abnormal Test Result: 8/10 ~ 10/10)

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
C10	Open		Normal operation.	
	Short		F11 opened, No Hazard.	0[V]
C11	Open	Except 3R3	Normal operation.	
	Short	Except 3R3	F11 opened, No Hazard.	0[V]
C12	Open		Normal operation.	
	Short		F11 opened, No Hazard.	0[V]
C13	Open		Normal operation.	
	Short		Normal operation.	
C21	Open		Normal operation.	
	Short		Normal operation.	
C22	Open		See 8 Page.	
	Short		Normal operation.	
C23	Open		See 8 Page.	
	Short		See 8 Page.	
C40	Open		Normal operation.	
	Short		Normal operation.	
C50	Open		See 8 Page.	
	Short		See 8 Page.	
C51	Open		Normal operation.	
	Short		See 8 Page.	
C61	Open		See 8 Page.	
	Short		See 8 Page.	
C62	Open		Normal operation.	
	Short		See 8 Page.	

## F M E A

Component	Mode		Comment	Output Voltage
D11	Open		Normal operation.	
	Short		No Hazard.	0[V]
D21	Open	Only 12, 15	Normal operation.	
	Short	Only 12, 15	Normal operation.	
D22	Open		See 8 Page.	
	Short		Normal operation.	
D23	Open		See 8 Page.	
	Short		See 8 Page.	
D24	Open		Normal operation.	
	Short		See 8 Page.	
D51	Open		See 8 Page.	
	Short		See 8 Page.	
D52	Open		See 8 Page.	
	Short		See 8 Page.	
D61	Open		Normal operation.	
	Short		Normal operation.	
IC61	Open	K	See 8 Page.	
		A	See 8 Page.	
		R	See 8 Page.	
	Short	A-K	See 8 Page.	
		K-R	See 8 Page.	
		R-A	See 8 Page.	
L11	Open		No Hazard.	0[V]
	Short		Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage
L51	Open		See 8 Page.	
	Short		Normal operation.	
PC11	Open	LED. A, K	See 9 Page.	
		TR. C, E	See 9 Page.	
	Short	LED. A-K	See 9 Page.	
		TR. C-E	See 9 Page.	
T11	Open	1	See 9 Page.	
		2	See 9 Page.	
		3	See 9 Page.	
		4	See 9 Page.	
		5	See 9 Page.	
		6	See 9 Page.	
		7	No Hazard.	0[V]
		8	No Hazard.	0[V]
	Short	1-2	See 9 Page.	
		2-3	Normal operation.	
		3-4	See 9 Page.	
		4-5	See 9 Page.	
		5-6	See 9 Page.	
		6-7	Normal operation.	
		7-8	See 9 Page.	
TR11	Open	D	See 9 Page.	
		S	See 9 Page.	
		G	See 9 Page.	

## F M E A

Component	Mode		Comment	Output Voltage
TR11	Short	D-S	See 9 Page.	
		S-G	See 9 Page.	
		G-D	See 9 Page.	
TR12	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR21	Open	C	See 9 Page.	
		E	See 9 Page.	
		B	See 10 Page.	
	Short	C-E	No Hazard.	0[V]
		E-B	See 10 Page.	
		B-C	No Hazard.	0[V]
TR41	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR61	Open	C	See 10 Page.	
		E	See 10 Page.	
		B	See 10 Page.	

## F M E A

Component	Mode		Comment	Output Voltage
TR61	Short	C-E	See 10 Page.	
		E-B	See 10 Page.	
		B-C	See 10 Page.	
ZD11	Open		Normal operation.	
	Short		Normal operation.	
ZD21	Open		Normal operation.	
	Short		See 10 Page.	
ZD22	Open		Normal operation.	
	Short		Normal operation.	
R10	Open		Normal operation.	
R11	Open		Normal operation.	
R12	Open		Normal operation.	
R13	Open		Normal operation.	
R14	Open		Normal operation.	
R15	Open		Normal operation.	
R16	Open		Normal operation.	
R21	Open		Normal operation.	
R22	Open		Normal operation.	
R23	Open		Normal operation.	
R24	Open	Only 12, 15	Normal operation.	
R25	Open		See 10 Page.	
R26	Open		See 10 Page.	
R27	Open		Normal operation.	
R28	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage
R29	Open		Normal operation.	
R30	Open		Normal operation.	
R31	Open		Normal operation.	
R32	Open		Normal operation.	
R40	Open		Normal operation.	
R41	Open		Normal operation.	
R42	Open		Normal operation.	
R50	Open		Normal operation.	
R60	Open		See 10 Page.	
R61	Open		See 10 Page.	
R62	Open		Normal operation.	
R63	Open		See 10 Page.	
R64	Open		Normal operation.	
R65	Open		Normal operation.	
R66	Open	Only 12, 15	See 10 Page.	
R67	Open		See 10 Page.	
R68	Open		See 10 Page.	
R69	Open		See 10 Page.	
R70	Open		Normal operation.	
R71	Open	Except 3R3	Normal operation.	
R72	Open	Only 3R3, 05	Normal operation.	
R73	Open		Normal operation.	
R74	Open	Only 3R3	Normal operation.	

## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
C22	Open		No Hazard.	Increased
C23	Open		No Hazard.	Decreased
	Short		TR11 broke, F11 opened, No Hazard. (Only 12)	0[V]
C50	Open		No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Decreased(Only 12) 0[V]
	Short		No Hazard.	0[V]
C51	Short		No Hazard.	Decreased
C61	Open		Normal operation. (Except 12) No Hazard.	Decreased
	Short		No Hazard.	Decreased
C62	Short		Normal operation. (Only 05 15) No Hazard.	Decreased
D22	Open		No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
D23	Open		No Hazard.	Increased
	Short		No Hazard.	Increased
D24	Short		No Hazard.	Decreased
D51	Open		No Hazard.	
	Short		F11 opened, No Hazard.	0[V]
D52	Open		No Hazard.	
	Short		F11 opened, No Hazard.	0[V]
IC61	Open	K	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
		A	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
		R	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
	Short	A-K	No Hazard.	Decreased
		K-R	No Hazard.	Decreased
		R-A	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
L51	Open		TR11 broke, F11 opened, No Hazard.	0[V]



## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
PC11	Open	LED. A, K	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
		TR. C, E	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
	Short	LED . A-K	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
		TR. C-E	No Hazard.	Decreased
T11	Open	1	TR11 broke, F11 opened, No Hazard. (Only 12)	0[V]
		2	TR11 broke, F11 opened, No Hazard. (Only 12)	0[V]
		3	No Hazard.	
		4	No Hazard.	
		5	No Hazard.	
		6	No Hazard.	
	Short	1-2	F11 opened, No Hazard.	0[V]
		3-4	F11 opened, No Hazard.	0[V]
		4-5	F11 opened, No Hazard.	0[V]
		5-6	F11 opened, No Hazard.	0[V]
		7-8	F11 opened, No Hazard.	0[V]
TR11	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	F11 opened, No Hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	F11 opened, No Hazard.	0[V]
TR21	Open	C	TR11 broke, F11 opened, No Hazard. (Only 12)	0[V]
		E	TR11 broke, F11 opened, No Hazard. (Only 12)	0[V]

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
TR21	Open	B	TR11 broke, F11 opened, No Hazard. (Only 12)	0[V]
	Short	E-B	TR11 broke, F11 opened, No Hazard. (Only 12)	0[V]
TR61	Open	C	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
		E	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
		B	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
	Short	C-E	No Hazard.	Decreased
		E-B	No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
		B-C	No Hazard.	Decreased
ZD21	Short		Normal operation. (Only 12) No Hazard.	Decreased(Except 12)
R25	Open		No Hazard.	Increased
R26	Open		No Hazard.	Increased
R60	Open		No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
R61	Open		Normal operation. (Only 12 15) TR11 broke, F11 opened, No Hazard.	0[V] (Only 3R3 05)
R63	Open		No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
R66	Open	Only 12, 15	Normal operation.	
R67	Open		No Hazard. (Only 12) TR11 broke, F11 opened, No Hazard.	Increased(Only 12) 0[V]
R68	Open		No Hazard.	Decreased
R69	Open		No Hazard.	Decreased