

ABNORMAL TEST RESULT

OF MODEL SUS/SUCS101212
SUS/SUCS101215

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 : 2/12 ~ 10/12)

(Abnormal Test Result: 11/12 ~ 12/12)

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 |
|-----------|-------|-------------------|----------------|
| C11 | Open | Normal operation. | |
| | Short | See 11 Page. | |
| C21 | Open | Normal operation. | |
| | Short | No Hazard. | 0[V] |
| C22 | Open | See 11 Page. | |
| | Short | No Hazard. | 0[V] |
| C23 | Open | Normal operation. | |
| | Short | No Hazard. | 0[V] |
| C31 | Open | Normal operation. | |
| | Short | See 11 Page. | |
| C32 | Open | Normal operation. | |
| | Short | No Hazard. | 0[V] |
| C34 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C41 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C42 | Open | No Hazard. | |
| | Short | No Hazard. | |
| C43 | Open | Normal operation. | |
| | Short | No Hazard. | |
| C51 | Open | Normal operation. | |
| | Short | No Hazard. | 0[V] |
| C53 | Open | Normal operation. | |
| | Short | No Hazard. | 0[V] |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|---|------------------------|----------------|
| C58 | Open | | Normal operation. | |
| | Short | | No Hazard. | 0[V] |
| C61 | Open | | Normal operation. | |
| | Short | | See 11 Page. | |
| C71 | Open | | Normal operation. | |
| | Short | | See 11 Page. | |
| C81 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| D12 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| D31 | Open | | Normal operation. | |
| | Short | | F11 opened, No Hazard. | 0[V] |
| D32 | Open | | F11 opened, No Hazard. | 0[V] |
| | Short | | F11 opened, No Hazard. | 0[V] |
| D41 | Open | | No Hazard. | |
| | Short | | No Hazard. | |
| D51 | Open | | See 11 Page. | |
| | Short | | No Hazard. | Decreased. |
| D52 | Open | | See 11 Page. | |
| | Short | | No Hazard. | Decreased. |
| F11 | Open | | No Hazard. | 0[V] |
| | Short | | Normal operation. | |
| IC11 | Open | 1 | No Hazard. | 0[V] |
| | | 2 | No Hazard. | 0[V] |



F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|------|------------------------|----------------|
| IC11 | Open | 3 | F11 opened, No Hazard. | 0[V] |
| | | 4 | No Hazard. | 0[V] |
| | | 5 | No Hazard. | 0[V] |
| | | 6 | No Hazard. | 0[V] |
| | | 7 | No Hazard. | 0[V] |
| | | 8 | No Hazard. | 0[V] |
| | Short | 1-2 | No Hazard. | 0[V] |
| | | 2-3 | F11 opened, No Hazard. | 0[V] |
| | | 3-4 | No Hazard. | 0[V] |
| | | 5-6 | No Hazard. | 0[V] |
| | | 6-7 | F11 opened, No Hazard. | 0[V] |
| | | 7-8 | No Hazard. | Decreased. |
| IC51 | Open | K | See 11 Page. | |
| | | A | See 11 Page. | |
| | | R | See 11 Page. | |
| | | A-K | See 11 Page. | |
| | | K-R | See 11 Page. | |
| | Short | R-A | See 11 Page. | |
| L11 | Open | | No Hazard. | 0[V] |
| | Short | | Normal operation. | |
| L51 | Open | | No Hazard. | 0[V] |
| | Short | | Normal operation. | |
| PC11 | Open | A, K | See 11 Page. | |
| | | C, E | See 11 Page. | |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|-------|------------------------|----------------|
| PC11 | Short | A-K | See 11 Page. | |
| | | C-E | No Hazard. | 0[V] |
| T11 | Open | 1 | Normal operation. | |
| | | 2 | Normal operation. | |
| | | 4 | No Hazard. | 0[V] |
| | | 5 | No Hazard. | 0[V] |
| | | 6 | No Hazard. | 0[V] |
| | | 7 | No Hazard. | 0[V] |
| | | Short | 1-2 | No Hazard. |
| | 2-3 | | F11 opened, No Hazard. | 0[V] |
| | 4-5 | | F11 opened, No Hazard. | 0[V] |
| | 6-7 | | No Hazard. | 0[V] |
| T12 | Open | 1 | No Hazard. | 0[V] |
| | | 2 | No Hazard. | 0[V] |
| | | 3 | See 11 Page. | |
| | | 4 | See 11 Page. | |
| | Short | 1-2 | See 11 Page. | |
| | | 3-4 | See 11 Page. | |
| TR11 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | No Hazard. | |
| | | E-B | Normal operation. | |
| | | B-C | F11 opened, No Hazard. | 0[V] |



F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|-----|-------------------|----------------|
| TR12 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | No Hazard. | 0[V] |
| | | E-B | No Hazard. | 0[V] |
| | | B-C | Normal operation. | |
| | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | No Hazard. | 0[V] |
| | | E-B | No Hazard. | 0[V] |
| | | B-C | Normal operation. | |
| TR21 | Open | C | Normal operation. | |
| | | E | No Hazard. | 0[V] |
| | | B | No Hazard. | 0[V] |
| | Short | C-E | See 11 Page. | |
| | | E-B | Normal operation. | |
| | | B-C | Normal operation. | |
| TR22 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | No Hazard. | |
| | | E-B | Normal operation. | |
| | | B-C | No Hazard. | |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|-----|-------------------|----------------|
| TR22 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | No Hazard. | |
| | | E-B | Normal operation. | |
| | | B-C | No Hazard. | |
| TR31 | Open | D | No Hazard. | 0[V] |
| | | S | No Hazard. | 0[V] |
| | | G | No Hazard. | 0[V] |
| | Short | D-S | See 11 Page. | |
| | | S-G | Normal operation. | |
| | | G-D | See 11 Page. | |
| TR32 | Open | C | Normal operation. | |
| | | E | No Hazard. | 0[V] |
| | | B | No Hazard. | 0[V] |
| | Short | C-E | Normal operation. | |
| | | E-B | Normal operation. | |
| | | B-C | Normal operation. | |
| TR33 | 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] |



F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|---------|-------------------|----------------|
| TR34 | 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] |
| ZD11 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| ZD12 | Open | | Normal operation. | |
| | Short | | No Hazard. | 0[V] |
| ZD72 | Open | | See 11 Page. | |
| | Short | | Normal operation. | |
| ZD73 | Open | Only 12 | No Hazard. | Increased. |
| | Short | Only 12 | 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. | |
| R17 | Open | | See 12 Page. | |
| R21 | Open | | No Hazard. | 0[V] |
| R22 | Open | | No Hazard. | 0[V] |
| R23 | Open | | Normal operation. | |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|------|---------|-------------------|----------------|
| R24 | Open | | Normal operation. | |
| R25 | Open | | No Hazard. | 0[V] |
| R26 | Open | | No Hazard. | 0[V] |
| R27 | Open | | No Hazard. | 0[V] |
| R28 | Open | | Normal operation. | |
| R29 | Open | | No Hazard. | 0[V] |
| R31 | Open | | Normal operation. | |
| R32 | Open | | Normal operation. | |
| R33 | Open | | No Hazard. | 0[V] |
| R34 | Open | | Normal operation. | |
| R35 | Open | | No Hazard. | Decreased. |
| R36 | Open | | No Hazard. | Decreased. |
| R37 | Open | | No Hazard. | Decreased. |
| R38 | Open | | Normal operation. | |
| R41 | Open | | Normal operation. | |
| R42 | Open | | Normal operation. | |
| R44 | Open | | No Hazard. | Decreased. |
| R45 | Open | | Normal operation. | |
| R46 | Open | | No Hazard. | Decreased. |
| R47 | Open | | No Hazard. | Decreased. |
| R48 | Open | | No Hazard. | Decreased. |
| R53 | Open | Only 12 | Normal operation. | |
| R55 | Open | Only 12 | Normal operation. | |
| R63 | Open | | Normal operation. | |



F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|------|---------|-------------------|----------------|
| R67 | Open | | Normal operation. | |
| R70 | Open | | Normal operation. | |
| R72 | Open | | No Hazard. | Increased. |
| R73 | Open | | Normal operation. | |
| R74 | Open | | Normal operation. | |
| R76 | Open | | No Hazard. | Increased. |
| R77 | Open | | Normal operation. | |
| R78 | Open | | No Hazard. | Decreased. |
| R79 | Open | | No Hazard. | Decreased. |
| R81 | Open | Only 12 | Normal operation. | |
| R83 | Open | | Normal operation. | |
| R86 | Open | Only 12 | Normal operation. | |
| R87 | Open | Only 12 | Normal operation. | |

ABNORMAL TEST RESULT

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|------|------------------------|----------------|
| C11 | Short | | F11 opened, No Hazard. | 0[V] |
| C22 | Open | | F11 opened, No Hazard. | 0[V] |
| C31 | Short | | F11 opened, No Hazard. | 0[V] |
| C61 | Short | | No Hazard. | Decreased. |
| C71 | Short | | No Hazard. | Increased. |
| D51 | Open | | No Hazard. | Increased. |
| D52 | Open | | No Hazard. | Increased. |
| IC51 | Open | K | No Hazard. | Increased. |
| | | A | No Hazard. | Increased. |
| | | R | No Hazard. | Increased. |
| | | A-K | No Hazard. | Increased. |
| | | K-R | No Hazard. | Increased. |
| | Short | R-A | No Hazard. | Increased. |
| PC11 | Open | A, K | No Hazard. | Increased. |
| | | C, E | No Hazard. | Increased. |
| | Short | A-K | No Hazard. | Increased. |
| T12 | Open | 3 | No Hazard. | Increased. |
| | | 4 | No Hazard. | Increased. |
| | Short | 1-2 | No Hazard. | Increased. |
| | | 3-4 | No Hazard. | Increased. |
| TR21 | Short | C-E | No Hazard. | Increased. |
| TR31 | Short | D-S | F11 opened, No Hazard. | 0[V] |
| | | G-D | F11 opened, No Hazard. | 0[V] |
| ZD72 | Open | | No Hazard. | Increased. |



ABNORMAL TEST RESULT

| Component | Mode | Comment | Output Voltage |
|-----------|------|------------|----------------|
| R17 | Open | No Hazard. | Increased. |