

## ABNORMAL TEST RESULT

## OF MODEL MAX1600F

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 : 2/29 ~ 26/29)

( Abnormal Test Result: 27/29 ~ 29/29)

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                 |
|-----------|-------|-------------------------|--------------------------------|
| C101      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C102      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C103      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C107      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.              | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C108      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.              | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C201      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C202      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C203      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C204      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C211      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C212      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C213      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |



F M E A

| Component | Mode  | Comment                 | Output Voltage                 |
|-----------|-------|-------------------------|--------------------------------|
| C214      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C215      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.              | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C216      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C217      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C219      | Open  | Normal operation.       | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.              | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C222      | Open  | See 27 Page.            | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C223      | Open  | See 27 Page.            | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C224      | Open  | See 27 Page.            | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C225      | Open  | See 27 Page.            | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C226      | Open  | See 27 Page.            | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C227      | Open  | See 27 Page.            | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C228      | Open  | See 27 Page.            | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | F101 opened, No hazard. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |



F M E A

| Component | Mode  | Comment           | Output Voltage                 |
|-----------|-------|-------------------|--------------------------------|
| C231      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C232      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C251      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C252      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C253      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C254      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C255      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C256      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C257      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C258      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C259      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C261      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |



F M E A

| Component | Mode  | Comment           | Output Voltage                 |
|-----------|-------|-------------------|--------------------------------|
| C262      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C275      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C281      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C282      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C283      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C287      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C288      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C289      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C290      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C402      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C404      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| C405      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |

F M E A

| Component | Mode  | Comment           | Output Voltage                 |
|-----------|-------|-------------------|--------------------------------|
| C406      | Open  | See 27 Page.      | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C407      | Open  | See 27 Page.      | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C408      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C501      | Open  | See 27 Page.      | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C507      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D201      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D202      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D204      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| D205      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| D206      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D207      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D208      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |

F M E A

| Component | Mode  | Comment           | Output Voltage                 |
|-----------|-------|-------------------|--------------------------------|
| D209      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| D211      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| D212      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D213      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D251      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D252      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D253      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D281      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D282      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D283      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D402      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| D404      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |



F M E A

| Component | Mode  |    | Comment           | Output Voltage                 |
|-----------|-------|----|-------------------|--------------------------------|
| D501      | Open  |    | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short |    | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| D502      | Open  |    | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short |    | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| D503      | Open  |    | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short |    | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| D504      | Open  |    | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short |    | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| IC251     | Open  | 1  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           |       | 2  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           |       | 3  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 4  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           |       | 5  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           |       | 6  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 7  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 8  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 9  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 10 | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 11 | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           |       | 12 | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 13 | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 14 | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           |       | 15 | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 16 | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |





F M E A

| Component | Mode       |       | Comment           | Output Voltage   |                  |
|-----------|------------|-------|-------------------|------------------|------------------|
| IC251     | Short      | 1-2   | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 2-3   | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 3-4   | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 4-5   | No Hazard.        | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
|           |            | 5-6   | No Hazard.        | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
|           |            | 6-7   | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 7-8   | No Hazard.        | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
|           |            | 8-9   | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 9-10  | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 10-11 | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 11-12 | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 12-13 | No Hazard.        | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
|           |            | 13-14 | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 14-15 | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           |            | 15-16 | No Hazard.        | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
|           |            | IC281 | Open              | 1                | No Hazard.       |
| 2         | No Hazard. |       |                   | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
| 3         | No Hazard. |       |                   | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
| 4         | No Hazard. |       |                   | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
| 5         | No Hazard. |       |                   | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
| Short     | 1-2        |       | No Hazard.        | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
|           | 2-3        |       | No Hazard.        | AVR1:0<br>AVR3:0 | AVR2:0<br>AVR4:0 |
|           | 3-4        |       | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |
|           | 4-5        |       | Normal operation. | AVR1:*<br>AVR3:* | AVR2:*<br>AVR4:* |

F M E A

| Component | Mode  |      | Comment           | Output Voltage |        |
|-----------|-------|------|-------------------|----------------|--------|
| L101      | Open  |      | No Hazard.        | AVR1:0         | AVR2:0 |
|           | Short |      | Normal operation. | AVR3:0         | AVR4:0 |
| L102      | Open  |      | No Hazard.        | AVR1:*         | AVR2:* |
|           | Short |      | Normal operation. | AVR3:*         | AVR4:* |
| L201      | Open  | 1    | Normal operation. | AVR1:0         | AVR2:0 |
|           |       | 11   | Normal operation. | AVR3:0         | AVR4:0 |
|           |       | 8    | No Hazard.        | AVR1:*         | AVR2:* |
|           |       | 9    | No Hazard.        | AVR3:*         | AVR4:* |
|           | Short | 1-11 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       | 8-9  | No Hazard.        | AVR3:0         | AVR4:0 |
| L204      | Open  |      | No Hazard.        | AVR1:*         | AVR2:* |
|           | Short |      | Normal operation. | AVR3:*         | AVR4:* |
| L205      | Open  |      | Normal operation. | AVR1:*         | AVR2:* |
|           | Short |      | Normal operation. | AVR3:*         | AVR4:* |
| L206      | Open  |      | Normal operation. | AVR1:*         | AVR2:* |
|           | Short |      | Normal operation. | AVR3:*         | AVR4:* |
| L207      | Open  |      | Normal operation. | AVR1:*         | AVR2:* |
|           | Short |      | Normal operation. | AVR3:*         | AVR4:* |
| L208      | Open  |      | Normal operation. | AVR1:*         | AVR2:* |
|           | Short |      | Normal operation. | AVR3:*         | AVR4:* |
| L209      | Open  |      | Normal operation. | AVR1:*         | AVR2:* |
|           | Short |      | Normal operation. | AVR3:*         | AVR4:* |
| L210      | Open  |      | Normal operation. | AVR1:*         | AVR2:* |
|           | Short |      | Normal operation. | AVR3:*         | AVR4:* |

F M E A

| Component | Mode  |       | Comment                 | Output Voltage |        |
|-----------|-------|-------|-------------------------|----------------|--------|
| PC401     | Open  | A, K  | No Hazard.              | AVR1:0         | AVR2:0 |
|           |       | C, E  | No Hazard.              | AVR3:0         | AVR4:0 |
|           | Short | A-K   | No Hazard.              | AVR1:0         | AVR2:0 |
|           |       | C-E   | Normal operation.       | AVR3:0         | AVR4:0 |
| PC501     | Open  | A, K  | Normal operation.       | AVR1:*         | AVR2:* |
|           |       | C, E  | Normal operation.       | AVR3:*         | AVR4:* |
|           | Short | A-K   | Normal operation.       | AVR1:*         | AVR2:* |
|           |       | C-E   | Normal operation.       | AVR3:*         | AVR4:* |
| SCR101    | Open  | T1    | No Hazard.              | AVR1:0         | AVR2:0 |
|           |       | T2    | No Hazard.              | AVR3:0         | AVR4:0 |
|           |       | G     | No Hazard.              | AVR1:0         | AVR2:0 |
|           | Short | T1-T2 | Normal operation.       | AVR3:0         | AVR4:0 |
|           |       | T1-G  | Normal operation.       | AVR1:*         | AVR2:* |
|           |       | T2-G  | No Hazard.              | AVR3:*         | AVR4:* |
| SCR102    | Open  | T1    | No Hazard.              | AVR1:0         | AVR2:0 |
|           |       | T2    | No Hazard.              | AVR3:0         | AVR4:0 |
|           |       | G     | No Hazard.              | AVR1:0         | AVR2:0 |
|           | Short | T1-T2 | Normal operation.       | AVR3:0         | AVR4:0 |
|           |       | T1-G  | Normal operation.       | AVR1:*         | AVR2:* |
|           |       | T2-G  | No Hazard.              | AVR3:*         | AVR4:* |
| SS101     | Open  |       | No Hazard.              | AVR1:0         | AVR2:0 |
|           | Short |       | F101 opened, No hazard. | AVR3:0         | AVR4:0 |
| SS102     | Open  |       | No Hazard.              | AVR1:0         | AVR2:0 |
|           | Short |       | F101 opened, No hazard. | AVR3:0         | AVR4:0 |



F M E A

| Component | Mode  |     | Comment                 | Output Voltage |                         |
|-----------|-------|-----|-------------------------|----------------|-------------------------|
| SS201     | Open  |     | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short |     | F101 opened, No hazard. | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| T201      | Open  | 1   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 2   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 3   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 4   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | 1-2 | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 3-4 | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| T202      | Open  | 1   | Normal operation.       | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
|           |       | 2   | Normal operation.       | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
|           |       | 3   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 4   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | 1-2 | Normal operation.       | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
|           |       | 3-4 | Normal operation.       | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
| T401      | Open  | 1   | Normal operation.       | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
|           |       | 2   | Normal operation.       | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
|           |       | 3   | Normal operation.       | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
|           |       | 4   | Normal operation.       | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
|           |       | 5   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 6   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 7   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 8   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           |       | 9   | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | 1-4 | No Hazard.              | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |



F M E A

| Component | Mode  |     | Comment           | Output Voltage |        |
|-----------|-------|-----|-------------------|----------------|--------|
| T401      | Short | 2-3 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       | 5-6 | No Hazard.        | AVR3:0         | AVR4:0 |
|           |       | 7-8 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       | 8-9 | No Hazard.        | AVR3:0         | AVR4:0 |
| TR201     | Open  | C   | Normal operation. | AVR1:*         | AVR2:* |
|           |       | E   | Normal operation. | AVR3:*         | AVR4:* |
|           |       | B   | Normal operation. | AVR1:*         | AVR2:* |
|           | Short | C-E | No Hazard.        | AVR3:*         | AVR4:* |
|           |       | E-B | Normal operation. | AVR1:0         | AVR2:0 |
|           |       | B-C | Normal operation. | AVR3:0         | AVR4:0 |
| TR202     | Open  | C   | Normal operation. | AVR1:*         | AVR2:* |
|           |       | E   | Normal operation. | AVR3:*         | AVR4:* |
|           |       | B   | Normal operation. | AVR1:*         | AVR2:* |
|           | Short | C-E | No Hazard.        | AVR3:*         | AVR4:* |
|           |       | E-B | Normal operation. | AVR1:0         | AVR2:0 |
|           |       | B-C | Normal operation. | AVR3:0         | AVR4:0 |
| TR203     | Open  | C   | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       | E   | No Hazard.        | AVR3:0         | AVR4:0 |
|           |       | B   | No Hazard.        | AVR1:0         | AVR2:0 |
|           | Short | C-E | Normal operation. | AVR3:0         | AVR4:0 |
|           |       | E-B | No Hazard.        | AVR1:*         | AVR2:* |
|           |       | B-C | No Hazard.        | AVR3:*         | AVR4:* |
| TR204     | Open  | D   | See 27 Page.      | AVR1:*         | AVR2:* |
|           |       | S   | See 27 Page.      | AVR3:*         | AVR4:* |

F M E A

| Component | Mode  |       | Comment      | Output Voltage                 |                                |
|-----------|-------|-------|--------------|--------------------------------|--------------------------------|
| TR204     | Open  | G     | See 27 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | Short | D-S          | See 27 Page.                   | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | S-G   | See 27 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | G-D   | See 27 Page. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
| TR205     | Open  | D     | See 27 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | S     | See 27 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | G     | See 27 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           | Short | D-S   | See 27 Page. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           |       | S-G   | See 27 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | G-D   | See 27 Page. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
| TR206     | Open  | D     | See 27 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | S     | See 27 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | G     | See 28 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           | Short | D-S   | See 28 Page. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           |       | S-G   | See 28 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | G-D   | See 28 Page. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
| TR207     | Open  | D     | See 28 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | S     | See 28 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | G     | See 28 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           | Short | D-S   | See 28 Page. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           |       | S-G   | See 28 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | G-D   | See 28 Page. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
| TR208     | Open  | D     | See 28 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | S     | See 28 Page. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |

F M E A

| Component | Mode  |              | Comment                        | Output Voltage                 |                                |
|-----------|-------|--------------|--------------------------------|--------------------------------|--------------------------------|
| TR208     | Open  | G            | See 28 Page.                   | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | Short        | D-S                            | See 28 Page.                   | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           | S-G   |              | See 28 Page.                   | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           | G-D   | See 28 Page. | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |                                |
| TR209     | Open  | D            | See 28 Page.                   | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | S            | See 28 Page.                   | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | G            | See 28 Page.                   | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           | Short | D-S          | See 28 Page.                   | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           |       | S-G          | See 28 Page.                   | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | G-D          | See 28 Page.                   | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
| TR210     | Open  | C            | No Hazard.                     | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           |       | E            | No Hazard.                     | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           |       | B            | No Hazard.                     | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           | Short | C-E          | Normal operation.              | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | E-B          | No Hazard.                     | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           |       | B-C          | No Hazard.                     | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
| TR211     | Open  | C            | Normal operation.              | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | E            | Normal operation.              | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | B            | Normal operation.              | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           | Short | C-E          | No Hazard.                     | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           |       | E-B          | Normal operation.              | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
|           |       | B-C          | Normal operation.              | AVR1:* AVR2:*<br>AVR3:* AVR4:* |                                |
| TR212     | Open  | C            | No Hazard.                     | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |
|           |       | E            | No Hazard.                     | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |                                |



F M E A

| Component | Mode  |                   | Comment           | Output Voltage |        |
|-----------|-------|-------------------|-------------------|----------------|--------|
|           |       |                   |                   |                |        |
| TR212     | Open  | B                 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
|           | Short | C-E               | Normal operation. | AVR1:*         | AVR2:* |
|           |       |                   |                   | AVR3:*         | AVR4:* |
|           | E-B   | No Hazard.        | AVR1:0            | AVR2:0         |        |
|           |       |                   | AVR3:0            | AVR4:0         |        |
|           |       | B-C               | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
| TR251     | Open  | C                 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
|           |       | E                 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
|           |       | B                 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
| Short     | C-E   | Normal operation. | AVR1:*            | AVR2:*         |        |
|           |       |                   | AVR3:*            | AVR4:*         |        |
|           | E-B   | No Hazard.        | AVR1:0            | AVR2:0         |        |
|           |       |                   | AVR3:0            | AVR4:0         |        |
|           |       | B-C               | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
| TR252     | Open  | C                 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
|           |       | E                 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
|           |       | B                 | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
| Short     | C-E   | Normal operation. | AVR1:*            | AVR2:*         |        |
|           |       |                   | AVR3:*            | AVR4:*         |        |
|           | E-B   | No Hazard.        | AVR1:0            | AVR2:0         |        |
|           |       |                   | AVR3:0            | AVR4:0         |        |
|           |       | B-C               | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |                   |                   | AVR3:0         | AVR4:0 |
| TR253     | Open  | C                 | Normal operation. | AVR1:*         | AVR2:* |
|           |       |                   |                   | AVR3:*         | AVR4:* |
|           |       | E                 | Normal operation. | AVR1:*         | AVR2:* |
|           |       |                   |                   | AVR3:*         | AVR4:* |
|           |       | B                 | Normal operation. | AVR1:*         | AVR2:* |
|           |       |                   |                   | AVR3:*         | AVR4:* |
| Short     | C-E   | No Hazard.        | AVR1:0            | AVR2:0         |        |
|           |       |                   | AVR3:0            | AVR4:0         |        |
|           | E-B   | Normal operation. | AVR1:*            | AVR2:*         |        |
|           |       |                   | AVR3:*            | AVR4:*         |        |
|           |       | B-C               | Normal operation. | AVR1:*         | AVR2:* |
|           |       |                   |                   | AVR3:*         | AVR4:* |
| TR281     | Open  | C                 | Normal operation. | AVR1:*         | AVR2:* |
|           |       |                   |                   | AVR3:*         | AVR4:* |
|           |       | E                 | Normal operation. | AVR1:*         | AVR2:* |
|           |       |                   |                   | AVR3:*         | AVR4:* |



F M E A

| Component | Mode  |      | Comment           | Output Voltage    |        |        |
|-----------|-------|------|-------------------|-------------------|--------|--------|
| TR281     | Open  | B    | Normal operation. | AVR1:*            | AVR2:* |        |
|           | Short | C-E  | No Hazard.        | AVR1:0            | AVR2:0 |        |
|           |       | E-B  | Normal operation. | AVR3:*            | AVR4:* |        |
|           |       | B-C  | Normal operation. | AVR3:0            | AVR4:0 |        |
| TR282     | Open  | C    | No Hazard.        | AVR1:*            | AVR2:* |        |
|           |       | E    | No Hazard.        | AVR3:*            | AVR4:* |        |
|           |       | B    | No Hazard.        | AVR1:0            | AVR2:0 |        |
|           | Short | C-E  | Normal operation. | AVR3:0            | AVR4:0 |        |
|           |       | E-B  | Normal operation. | AVR1:*            | AVR2:* |        |
|           |       | B-C  | No Hazard.        | AVR3:*            | AVR4:* |        |
|           | TR283 | Open | C                 | Normal operation. | AVR1:0 | AVR2:0 |
|           |       |      | E                 | Normal operation. | AVR3:0 | AVR4:0 |
|           |       |      | B                 | Normal operation. | AVR1:* | AVR2:* |
| Short     |       | C-E  | Normal operation. | AVR3:*            | AVR4:* |        |
|           |       | E-B  | Normal operation. | AVR1:*            | AVR2:* |        |
|           |       | B-C  | No Hazard.        | AVR3:*            | AVR4:* |        |
| TR401     | Open  | D    | See 28 Page.      | AVR1:0            | AVR2:0 |        |
|           |       | S    | See 28 Page.      | AVR3:0            | AVR4:0 |        |
|           |       | G    | See 29 Page.      | AVR1:0            | AVR2:0 |        |
|           | Short | D-S  | See 29 Page.      | AVR3:0            | AVR4:0 |        |
|           |       | S-G  | See 29 Page.      | AVR1:0            | AVR2:0 |        |
|           |       | G-D  | See 29 Page.      | AVR3:0            | AVR4:0 |        |
| TR404     | Open  | C    | No Hazard.        | AVR1:0            | AVR2:0 |        |
|           |       | E    | No Hazard.        | AVR3:0            | AVR4:0 |        |



F M E A

| Component | Mode  |     | Comment           | Output Voltage |        |
|-----------|-------|-----|-------------------|----------------|--------|
| TR404     | Open  | B   | No Hazard.        | AVR1:0         | AVR2:0 |
|           | Short | C-E | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       | E-B | No Hazard.        | AVR3:0         | AVR4:0 |
|           |       | B-C | No Hazard.        | AVR1:0         | AVR2:0 |
| TR501     | Open  | C   | Normal operation. | AVR3:0         | AVR4:0 |
|           |       | E   | Normal operation. | AVR1:*         | AVR2:* |
|           |       | B   | Normal operation. | AVR3:*         | AVR4:* |
|           | Short | C-E | Normal operation. | AVR1:*         | AVR2:* |
|           |       | E-B | Normal operation. | AVR3:*         | AVR4:* |
|           |       | B-C | Normal operation. | AVR1:*         | AVR2:* |
| TR502     | Open  | C   | Normal operation. | AVR3:*         | AVR4:* |
|           |       | E   | Normal operation. | AVR1:*         | AVR2:* |
|           |       | B   | Normal operation. | AVR3:*         | AVR4:* |
|           | Short | C-E | Normal operation. | AVR1:*         | AVR2:* |
|           |       | E-B | Normal operation. | AVR3:*         | AVR4:* |
|           |       | B-C | Normal operation. | AVR1:*         | AVR2:* |
| ZD201     | Open  |     | Normal operation. | AVR3:*         | AVR4:* |
|           | Short |     | No Hazard.        | AVR1:0         | AVR2:0 |
| ZD202     | Open  |     | Normal operation. | AVR3:0         | AVR4:0 |
|           | Short |     | No Hazard.        | AVR1:0         | AVR2:0 |
| ZD251     | Open  |     | No Hazard.        | AVR3:0         | AVR4:0 |
|           | Short |     | Normal operation. | AVR1:*         | AVR2:* |
| ZD252     | Open  |     | Normal operation. | AVR3:*         | AVR4:* |
|           | Short |     | No Hazard.        | AVR1:0         | AVR2:0 |

F M E A

| Component | Mode  | Comment           | Output Voltage                 |
|-----------|-------|-------------------|--------------------------------|
| ZD281     | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| ZD401     | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| ZD402     | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| ZD403     | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| ZD405     | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| ZD501     | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R102      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R103      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R104      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R105      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R106      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R107      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R110      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R111      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R114      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R115      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R116      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R117      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |



F M E A

| Component | Mode | Comment           | Output Voltage                 |
|-----------|------|-------------------|--------------------------------|
| R118      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R119      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R120      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R121      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R122      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R123      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R201      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R202      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R203      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R204      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R205      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R206      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R207      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R208      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R209      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R210      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R211      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R212      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R213      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R214      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R215      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R216      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R217      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R218      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |

F M E A

| Component | Mode | Comment           | Output Voltage                 |
|-----------|------|-------------------|--------------------------------|
| R219      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R220      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R221      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R222      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R223      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R224      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R225      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R226      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R227      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R228      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R229      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R230      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R231      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R232      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R233      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R234      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R235      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R236      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R237      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R238      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R239      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R251      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R252      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R253      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |

F M E A

| Component | Mode | Comment           | Output Voltage                 |
|-----------|------|-------------------|--------------------------------|
| R254      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R255      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R256      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R257      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R258      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R259      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R260      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R262      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R263      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R264      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R265      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R266      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R267      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R268      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R269      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R270      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R271      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R272      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R273      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R274      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R275      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R276      | Open | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R277      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R278      | Open | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |

F M E A

| Component | Mode | Comment           | Output Voltage |                         |
|-----------|------|-------------------|----------------|-------------------------|
| R281      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R282      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R283      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R284      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R285      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R286      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R287      | Open | Normal operation. | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
| R288      | Open | Normal operation. | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
| R289      | Open | Normal operation. | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
| R290      | Open | Normal operation. | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
| R291      | Open | Normal operation. | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
| R292      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R293      | Open | Normal operation. | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
| R294      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R295      | Open | Normal operation. | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |
| R296      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R299      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R402      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R403      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R405      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R406      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R410      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R411      | Open | No Hazard.        | AVR1:0         | AVR2:0<br>AVR3:0 AVR4:0 |
| R412      | Open | Normal operation. | AVR1:*         | AVR2:*<br>AVR3:* AVR4:* |



F M E A

| Component | Mode  | Comment           | Output Voltage                 |
|-----------|-------|-------------------|--------------------------------|
| R413      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R416      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R417      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R418      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R419      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R420      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R421      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R427      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R501      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R502      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R503      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R504      | Open  | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| R505      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R506      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R507      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R508      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R509      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R510      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R511      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| R512      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
| MAS       |       |                   |                                |
| C701      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |
|           | Short | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |
| C702      | Open  | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |



F M E A

| Component | Mode  |     | Comment           | Output Voltage                 |  |
|-----------|-------|-----|-------------------|--------------------------------|--|
| C702      | Short |     | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |  |
| C801      | Open  |     | See 29 Page.      | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short |     | No Hazard.        | AVR1:0 AVR2:*<br>AVR3:* AVR4:* |  |
| C802      | Open  |     | See 29 Page.      | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short |     | No Hazard.        | AVR1:0 AVR2:*<br>AVR3:* AVR4:* |  |
| C803      | Open  |     | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short |     | No Hazard.        | AVR1:0 AVR2:*<br>AVR3:* AVR4:* |  |
| C804      | Open  |     | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short |     | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |  |
| C807      | Open  |     | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short |     | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |  |
| C811      | Open  |     | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short |     | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
| C812      | Open  |     | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short |     | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |  |
| C813      | Open  |     | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short |     | No Hazard.        | AVR1:0 AVR2:*<br>AVR3:* AVR4:* |  |
| D802      | Open  |     | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short |     | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
| IC801     | Open  | K   | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           |       | R   | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           |       | A   | Normal operation. | AVR1:* AVR2:*<br>AVR3:* AVR4:* |  |
|           | Short | K-R | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |  |
|           |       | R-A | No Hazard.        | AVR1:0 AVR2:0<br>AVR3:0 AVR4:0 |  |



F M E A

| Component | Mode  |     | Comment           | Output Voltage |        |
|-----------|-------|-----|-------------------|----------------|--------|
| TR701     | Open  | C   | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       | E   | No Hazard.        | AVR3:0         | AVR4:0 |
|           |       | B   | No Hazard.        | AVR1:0         | AVR2:0 |
|           | Short | C-E | Normal operation. | AVR3:0         | AVR4:0 |
|           |       | E-B | No Hazard.        | AVR1:*         | AVR2:* |
|           |       | B-C | No Hazard.        | AVR3:*         | AVR4:* |
| VR801     | Open  |     | No Hazard.        | AVR1:0         | AVR2:0 |
|           | Short |     | Normal operation. | AVR3:0         | AVR4:0 |
| R701      | Open  |     | No Hazard.        | AVR1:*         | AVR2:* |
| R702      | Open  |     | No Hazard.        | AVR3:*         | AVR4:* |
| R804      | Open  |     | Normal operation. | AVR1:0         | AVR2:0 |
| R805      | Open  |     | Normal operation. | AVR3:0         | AVR4:0 |
| R806      | Open  |     | Normal operation. | AVR1:*         | AVR2:* |
| R807      | Open  |     | Normal operation. | AVR3:*         | AVR4:* |
| R810      | Open  |     | Normal operation. | AVR1:*         | AVR2:* |
| R812      | Open  |     | Normal operation. | AVR3:*         | AVR4:* |
| R815      | Open  |     | No Hazard.        | AVR1:0         | AVR2:0 |
| R816      | Open  |     | No Hazard.        | AVR3:0         | AVR4:0 |
| R817      | Open  |     | Normal operation. | AVR1:*         | AVR2:* |
| R819      | Open  |     | Normal operation. | AVR3:*         | AVR4:* |



ABNORMAL TEST RESULT

| Component | Mode  |     | Comment                 | Output Voltage |               |
|-----------|-------|-----|-------------------------|----------------|---------------|
| C222      | Open  |     | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
| C223      | Open  |     | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
| C224      | Open  |     | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
| C225      | Open  |     | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
| C226      | Open  |     | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
| C227      | Open  |     | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
| C228      | Open  |     | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
| C406      | Open  |     | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
| C407      | Open  |     | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
| C501      | Open  |     | No Hazard.              | AVR1:0 AVR2:0  | AVR3:0 AVR4:0 |
| TR204     | Open  | D   | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
|           |       | S   | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
|           |       | G   | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
|           | Short | D-S | F101 opened, No hazard. | AVR1:0 AVR2:0  | AVR3:0 AVR4:0 |
|           |       | S-G | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
|           |       | G-D | F101 opened, No hazard. | AVR1:0 AVR2:0  | AVR3:0 AVR4:0 |
| TR205     | Open  | D   | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
|           |       | S   | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
|           |       | G   | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
|           | Short | D-S | F101 opened, No hazard. | AVR1:0 AVR2:0  | AVR3:0 AVR4:0 |
|           |       | S-G | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
|           |       | G-D | F101 opened, No hazard. | AVR1:0 AVR2:0  | AVR3:0 AVR4:0 |
| TR206     | Open  | D   | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |
|           |       | S   | Normal operation.       | AVR1:* AVR2:*  | AVR3:* AVR4:* |

ABNORMAL TEST RESULT

| Component | Mode  |                         | Comment                 | Output Voltage |        |
|-----------|-------|-------------------------|-------------------------|----------------|--------|
| TR206     | Open  | G                       | Normal operation.       | AVR1:*         | AVR2:* |
|           |       |                         |                         | AVR3:*         | AVR4:* |
|           | Short | D-S                     | F101 opened, No hazard. | AVR1:0         | AVR2:0 |
|           |       |                         |                         | AVR3:0         | AVR4:0 |
|           | S-G   | Normal operation.       | AVR1:*                  | AVR2:*         |        |
|           |       |                         | AVR3:*                  | AVR4:*         |        |
|           | G-D   | F101 opened, No hazard. | AVR1:0                  | AVR2:0         |        |
|           |       |                         | AVR3:0                  | AVR4:0         |        |
| TR207     | Open  | D                       | Normal operation.       | AVR1:*         | AVR2:* |
|           |       |                         |                         | AVR3:*         | AVR4:* |
|           |       | S                       | Normal operation.       | AVR1:*         | AVR2:* |
|           | Short | G                       | Normal operation.       | AVR3:*         | AVR4:* |
|           |       | D-S                     | F101 opened, No hazard. | AVR1:0         | AVR2:0 |
|           |       |                         |                         | AVR3:0         | AVR4:0 |
|           | S-G   | Normal operation.       | AVR1:*                  | AVR2:*         |        |
|           |       |                         | AVR3:*                  | AVR4:*         |        |
| TR208     | Open  | D                       | Normal operation.       | AVR1:*         | AVR2:* |
|           |       |                         |                         | AVR3:*         | AVR4:* |
|           |       | S                       | Normal operation.       | AVR1:*         | AVR2:* |
|           | Short | G                       | Normal operation.       | AVR3:*         | AVR4:* |
|           |       | D-S                     | F101 opened, No hazard. | AVR1:0         | AVR2:0 |
|           |       |                         |                         | AVR3:0         | AVR4:0 |
|           | S-G   | Normal operation.       | AVR1:*                  | AVR2:*         |        |
|           |       |                         | AVR3:*                  | AVR4:*         |        |
| TR209     | Open  | D                       | Normal operation.       | AVR1:*         | AVR2:* |
|           |       |                         |                         | AVR3:*         | AVR4:* |
|           |       | S                       | Normal operation.       | AVR1:*         | AVR2:* |
|           | Short | G                       | Normal operation.       | AVR3:*         | AVR4:* |
|           |       | D-S                     | F101 opened, No hazard. | AVR1:0         | AVR2:0 |
|           |       |                         |                         | AVR3:0         | AVR4:0 |
|           | S-G   | Normal operation.       | AVR1:*                  | AVR2:*         |        |
|           |       |                         | AVR3:*                  | AVR4:*         |        |
|           | G-D   | F101 opened, No hazard. | AVR1:0                  | AVR2:0         |        |
|           |       |                         | AVR3:0                  | AVR4:0         |        |
| TR401     | Open  | D                       | No Hazard.              | AVR1:0         | AVR2:0 |
|           |       |                         |                         | AVR3:0         | AVR4:0 |
|           |       | S                       | No Hazard.              | AVR1:0         | AVR2:0 |
|           |       |                         |                         | AVR3:0         | AVR4:0 |

ABNORMAL TEST RESULT

| Component | Mode  |     | Comment           | Output Voltage |        |
|-----------|-------|-----|-------------------|----------------|--------|
| TR401     | Open  | G   | No Hazard.        | AVR1:0         | AVR2:0 |
|           | Short | D-S | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       | S-G | No Hazard.        | AVR3:0         | AVR4:0 |
|           |       | G-D | No Hazard.        | AVR1:0         | AVR2:0 |
|           |       |     | AVR3:0            | AVR4:0         |        |
| C801      | Open  |     | Normal operation. | AVR1:*         | AVR2:* |
|           |       |     |                   | AVR3:*         | AVR4:* |
| C802      | Open  |     | Normal operation. | AVR1:*         | AVR2:* |
|           |       |     |                   | AVR3:*         | AVR4:* |