Resistance

2015/7/15

1. Power supply

* Summary

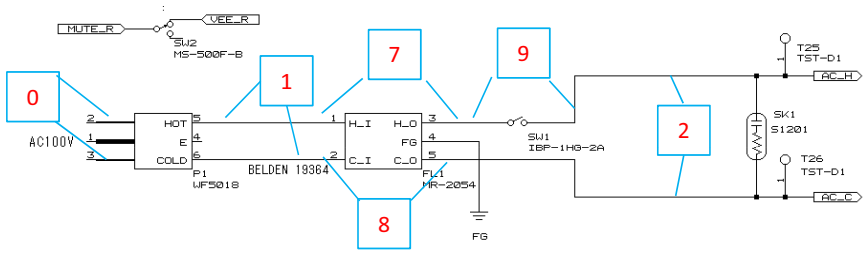
Measuring resistance of each point indicated in the schem w/ AMM & DMM.
This measurement is carried out before the first power on.

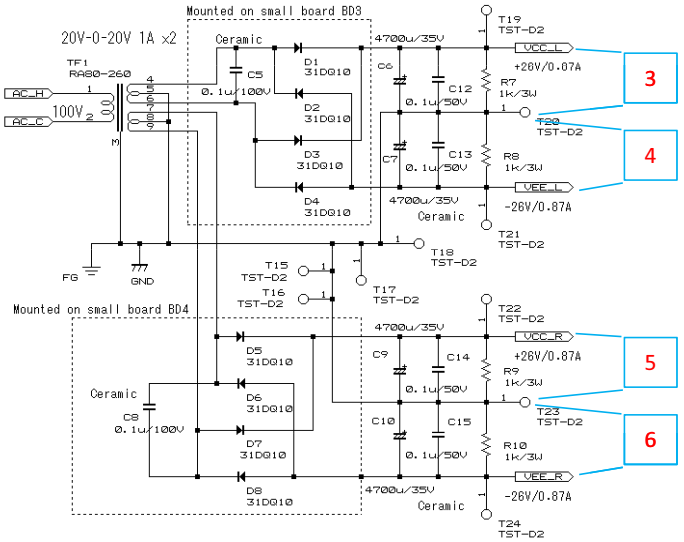
* Apparatus

DUT: MA-215 w/o Amp Boards
DMM: Sanwa PC710
AMM: Sanwa SP-18D

* Condition

All the plug and jacks are not connected including the power plug.
Amp Boards are not connected to power supply.





* Procedure

1. Measure resistance of the point-1 and -2 w/ DMM.
   The resistance of Point-1 is to be measured with SW1 on/off.
2. Measure resistance of the point-3 through -6 w/ AMM. <=== Be careful about polarity!
   The result must be 1kohm.
3. Measure resistance of the point-3 through -6 w/ DMM.

* Measured data

Resistance [ohm] date: 2015/7/15 T_A: 29.0 [deg C]

Point	Raw	Calibrated	Note
Point-0	1000M>		w/ SW1 off, Gradually increased
Point-0	4.5	4.3	w/ SW1 on
Point-1	1000M>		w/ SW1 off, Gradually increased
Point-1	4.4	4.2	w/ SW1 on
Point-2	4.2	4.0	
Point-3	850	(N/A)	w/ AMM
Point-4	1000	(N/A)	w/ AMM
Point-5	920	(N/A)	w/ AMM
Point-6	1000	(N/A)	w/ AMM
Point-3	1000	999.8	w/ DMM
Point-4	990	989.8	w/ DMM
Point-5	990	989.8	w/ DMM
Point-6	990	989.8	w/ DMM
Point-7	0.2	0.0	w/ DMM
Point-8	0.2	0.0	w/ DMM
Point-9	0.6	0.4	w/ SW1 on, w/ DMM

Calibration: 0.2 [ohm]

2. Amp boards

* Summary
  Measuring resistance between VCC/VEE and SG on the Amp Boards w/ DMM and AMM.
  This measurement is carried out before Amp Boards are connected to power supply.

* Apparatus
  DUT: Amp Boards of MA-215 (BD1 & BD2)
  DMM: Sanwa PC710
  AMM: Sanwa SP-18D

* Condition
  Amp Boards are not connected to power supply.

* Procedure
  1. Measure resistance between VCC/VEE and SG w/ AMM. <=== Be careful about polarity!
  2. Measure resistance between VCC/VEE and SG w/ DMM.

* Measured data

Resistance [ohm] date: 2015/7/15 T_A: 29.0 [deg C]

Point	Raw	Calibrated	Note
VCC of BD1	500k<	(N/A)	w/ AMM
VEE of BD1	500k<	(N/A)	w/ AMM
VCC of BD2	500k<	(N/A)	w/ AMM
VEE of BD2	500k<	(N/A)	w/ AMM
VCC of BD1	2700000	2699999.8	w/ DMM
VEE of BD1	1600000	1599999.8	w/ DMM
VCC of BD2	2800000	2799999.8	w/ DMM
VEE of BD2	2400000	2399999.8	w/ DMM

Calibration: 0.2 [ohm]

END OF THIS SHEET