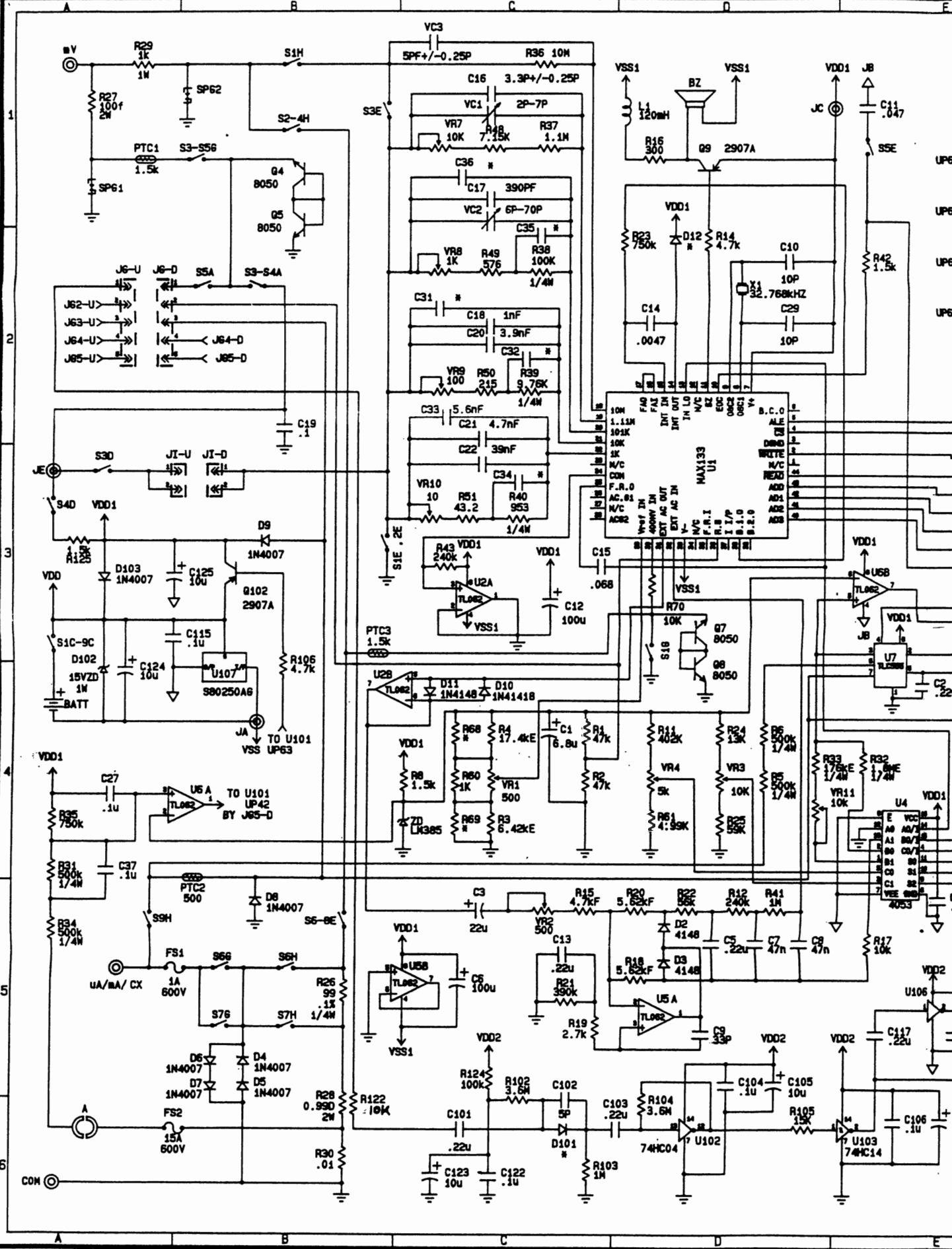


In order to maintain the accuracy, it is recommended the multimeter to be calibrated once every year. Please proceed the following steps to calibrate the multimeter.

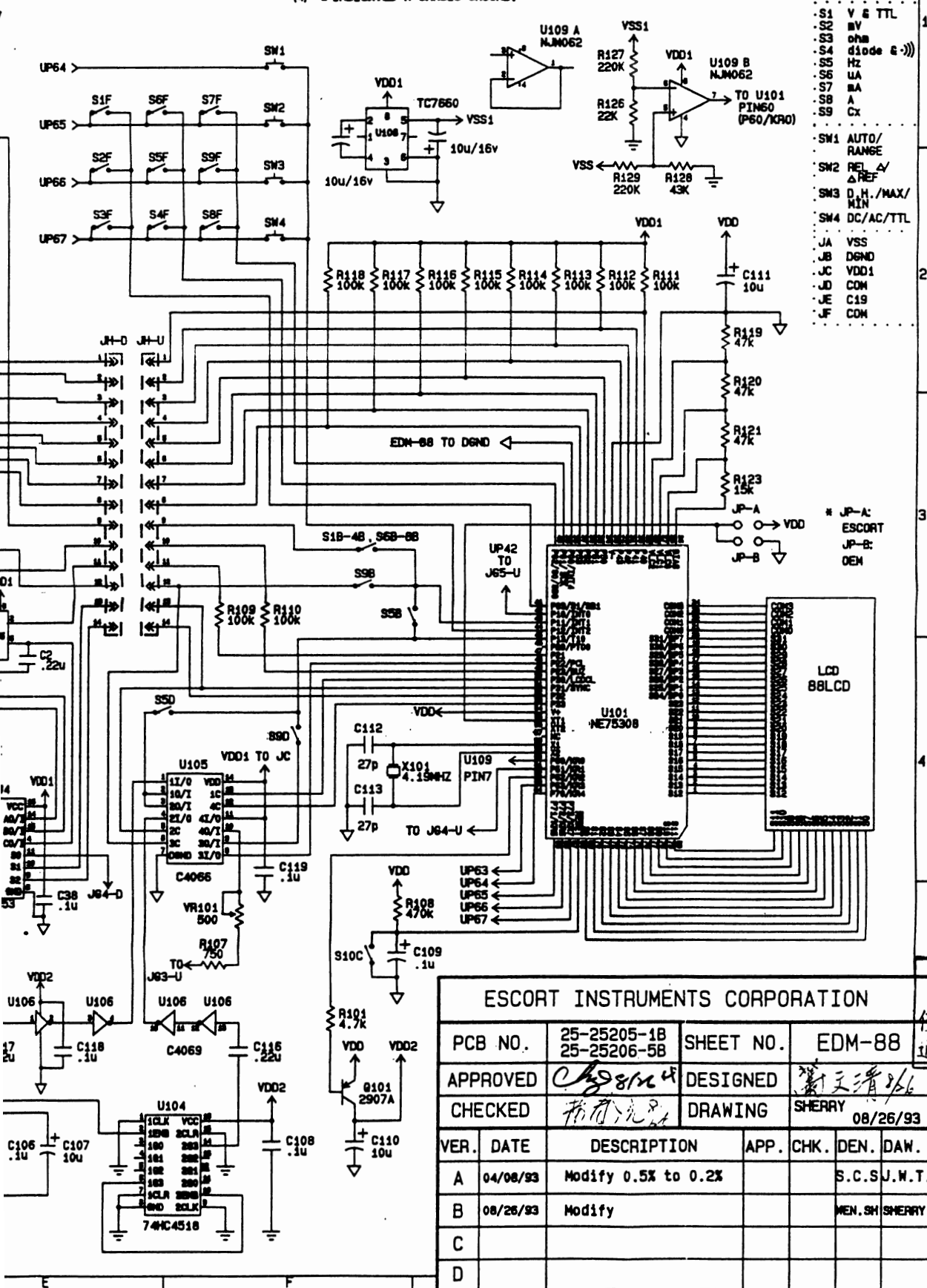
1. Perform calibration at ambient temperature of 23 ± 2 °C and a relative humidity of 75% or less. Allow the instrument to stabilize at this temperature for at least thirty minutes.
2. Remove the bottom cover from the instrument by removing the screws and the lifting off cover.
3. DCV Adjustment
 - a) Switch to DC mV function.
 - b) Input a DC 490.0mV voltage.
 - c) Adjust VR1 in order to have a reading $490.0\text{mV} \pm 1\text{dgt}$ on the LCD display.
 - d) Switch to DC V function.
 - e) Input a DC 4.5V voltage.
 - f) Adjust VR7 in order to have a reading $4.500\text{V} \pm 1\text{dgt}$ on the LCD display.
 - g) Input a DC 45V voltage.
 - h) Adjust VR8 in order to have a reading $45.00\text{V} \pm 1\text{dgt}$ on the LCD display.
 - i) Input a DC 450V voltage.
 - j) Adjust VR9 in order to have a reading $450.0\text{V} \pm 1\text{dgt}$ on the LCD display.
 - k) Input a DC 1000V voltage.
 - l) Adjust VR10 in order to have a reading $1000\text{V} \pm 1\text{dgt}$ on the LCD display.
4. ACV Adjustment
 - a) Switch to AC mV function.
 - b) Input an AC 490.0mV/100Hz voltage.
 - c) Adjust VR2 in order to have a reading $490.0\text{mV} \pm 2\text{dgt}$ on the LCD display.
 - d) Switch to AC V function.
 - e) Input an AC 4.9V/5KHz voltage.
 - f) Adjust VC1 in order to have a reading $4.900\text{V} \pm 2\text{dgt}$ on the LCD display.
 - g) Push the 'Range' key to AC 50V function.
 - h) Input an AC 49.0V/5KHz voltage.
 - i) Adjust VC2 in order to have a reading $49.00 \pm 2\text{dgt}$ on the LCD display.

5. Capacitance Adjustment

- a) Switch to Cx function.
- b) Connect the test lead probes with a standard capacitor for about 4.7nF.
- c) Adjust VR3 in order to have a reading $4.700nF \pm 2dgt$ on the LCD display.
- d) Connect the test lead probes with a standard capacitor for about 470.0nF.
- e) Adjust VR11 in order to have a reading $470.0nF \pm 2dgt$ on the LCD display.
- f) Connect the test lead probes with a standard capacitor for about 4700nF.
- g) Adjust VR101 in order to have a reading $4700nF \pm 2dgt$ on the LCD display.
- h) Connect the test lead probes with a standard capacitor for about 4700nF.
- i) Adjust VR4 in order to have a reading $4700nF \pm 2dgt$ on the LCD display.



NOTE: (1) RESISTOR VALUES ARE IN OHMS, UNLESS OTHERWISE SPECIFIED ALL ACCURACY ARE .5%.
 (2) CAPACITOR VALUES ARE IN UF BUT "P" IN PF UNLESS OTHERWISE NOTED.
 (3) \square INDICATED A DC VOLTAGE TAKEN FROM THE POINT INDICATED TO GROUND.
 (4) \downarrow INDICATED A CHASSIS GROUND.



- .S1 V & TTL
- .S2 mV
- .S3 ohm
- .S4 ohm diode & -))
- .S5 Hz
- .S6 uA
- .S7 mA
- .S8 A
- .S9 Cx
- SW1 AUTO/RANGE
- SW2 REL. / REF
- SW3 D.H./MAX./MIN
- SW4 DC/AC/TTL
- JA VSS
- JB D6ND
- JC VDD1
- JD COM
- JE C19
- JF COM

- * JP-A: ESCORT
- JP-B: OEM

ESCORT INSTRUMENTS CORPORATION			
PCB NO.	25-25205-1B 25-25206-5B	SHEET NO.	EDM-88
APPROVED	<i>[Signature]</i>	DESIGNED	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>	DRAWING	SHERRY 08/26/93
VER.	DATE	DESCRIPTION	APP. CHK. DEN. DAW.
A	04/08/93	Modify 0.5% to 0.2%	S.C.SJ.W.T
B	08/26/93	Modify	MEN.SH SHERRY
C			
D			

參考文件
 僅供參考，修訂時不
 通知變更。

