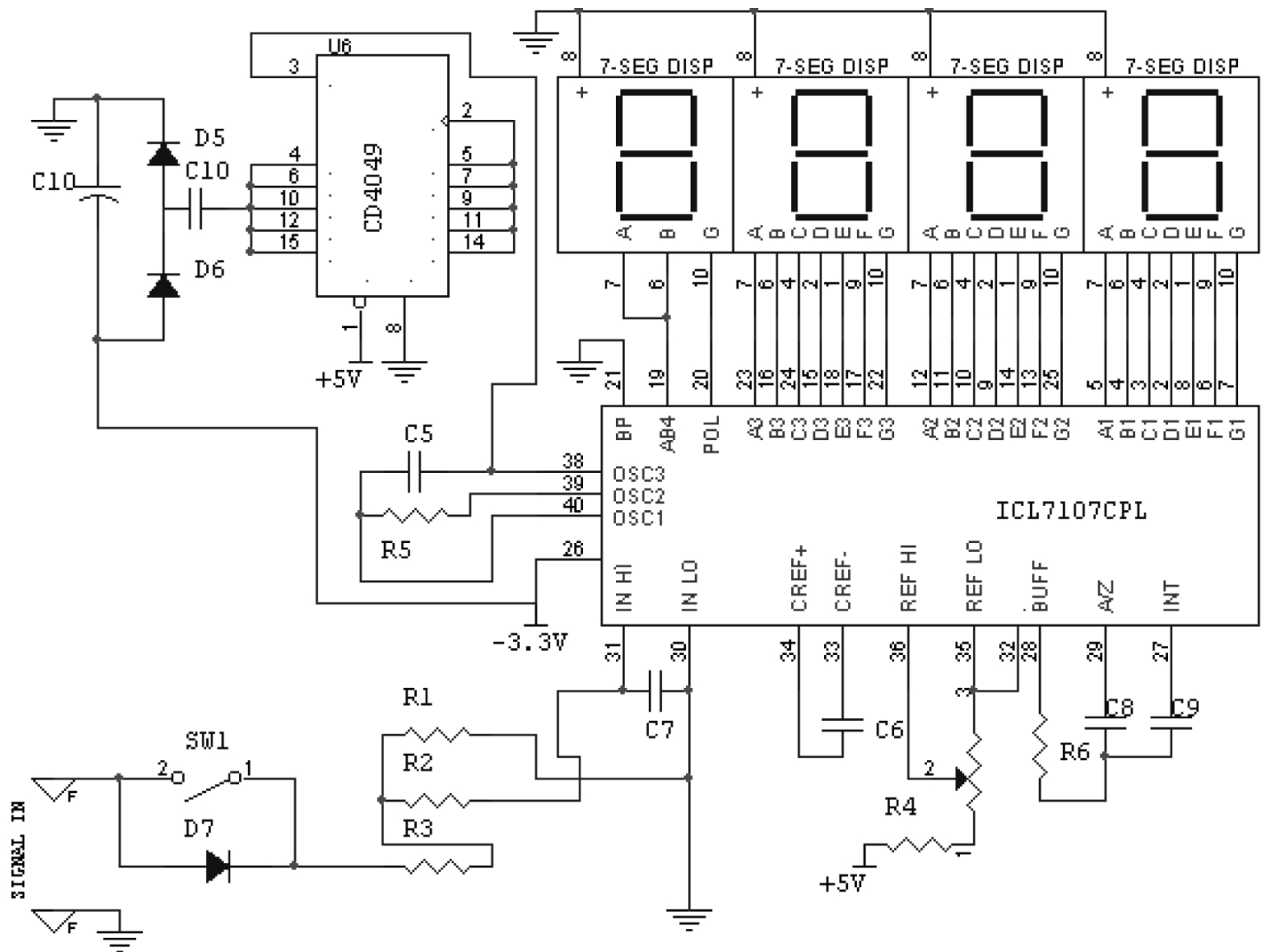
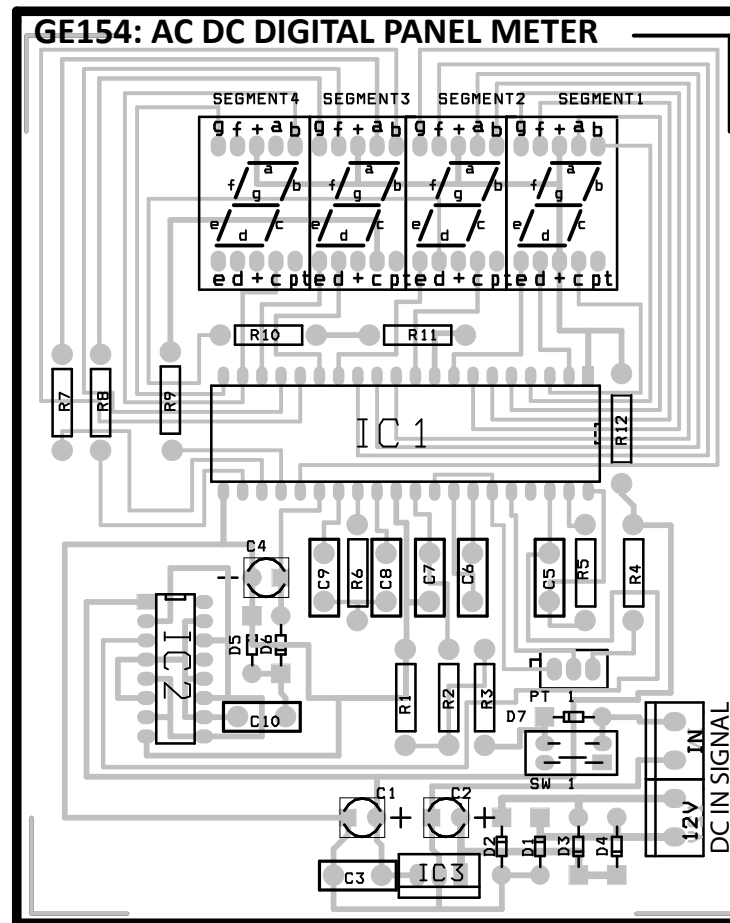


AC DC DIGITAL PANEL METER

GE 154



- 1- SET THE IC IN THE RIGHT DIRECTION.
- 2- BY A VOLTMETER TEST THE EXISTENCE OF 3.3V AND +5V.
- 3- THE PT1 IS A VARIABLE RESISTOR USED TO ADJUST THE CIRCUIT AND MAKE IT READ THE RIGTH VOLTAGE.
- 4-SW1 IS A SWITCH USED TO SWITCH BETWEEN THE DIRECT VOLTAGE (DC) AND THE ALTERNATIVE VOLTAGE (AC).



BILL OF MATERIALS :

R1	: 12KOHM (Brown,red, orange)
R2-R5	: 100 KOHM (Brown, black , yellow)
R3	: 10MOHM (Brown, black ,blue)
R4	: 2 KOHM (Red, black, red)
R6	: 470kOHM (Yellow,violet ,yellow)
R7→R12	: 0 OHM (JUMPER RESISTOR)
PT 1	: 5.0KOHM (VARIABLE RESISTOR MULTITOURS)
C1	: 220UF 16V (Bipolar capacitor)
C2	: 470UF 16V (Bipolar capacitor)
C3	: 100NF 50V (Non polar capacitor)
C4	: 10UF 25V (Bipolar capacitor)
C5	: 100PF 50V (Non polar capacitor)
C6	: 100NF 63V-104- (Non polar capacitor)
C7	:1UF 100V -105-(Non polar capacitor)
C8	:470NF 63V -474-(Non polar capacitor)
C9	:220NF 63V-224-(Non polar capacitor)
C10	:47NF 100V-473-(Non polar capacitor)
D1→D4,D7	:1N4007(SIGNAL DIODE)
D5,D6	:1N4148(SIGNAL DIODE)
LD1→LD4	: 7-SEGMENT DISPLAY (C.A)
IC1	: ICL7107 (A/D CONVERTER + DRIVER 3 1/2 DIGIT LCD)
IC2	: CD4049 (HEX INVERTING/NON INVERTING BUFFER)
IC3	: LM7805 (REGULATOR)
IC SOCKET:	40 PIN
IC SOCKET:	16 PIN
SW1	: SWITCH (TO SWITCH BETWEEN DC,AC VOLTAGE)
2*2	SCREW JUNCTIONS