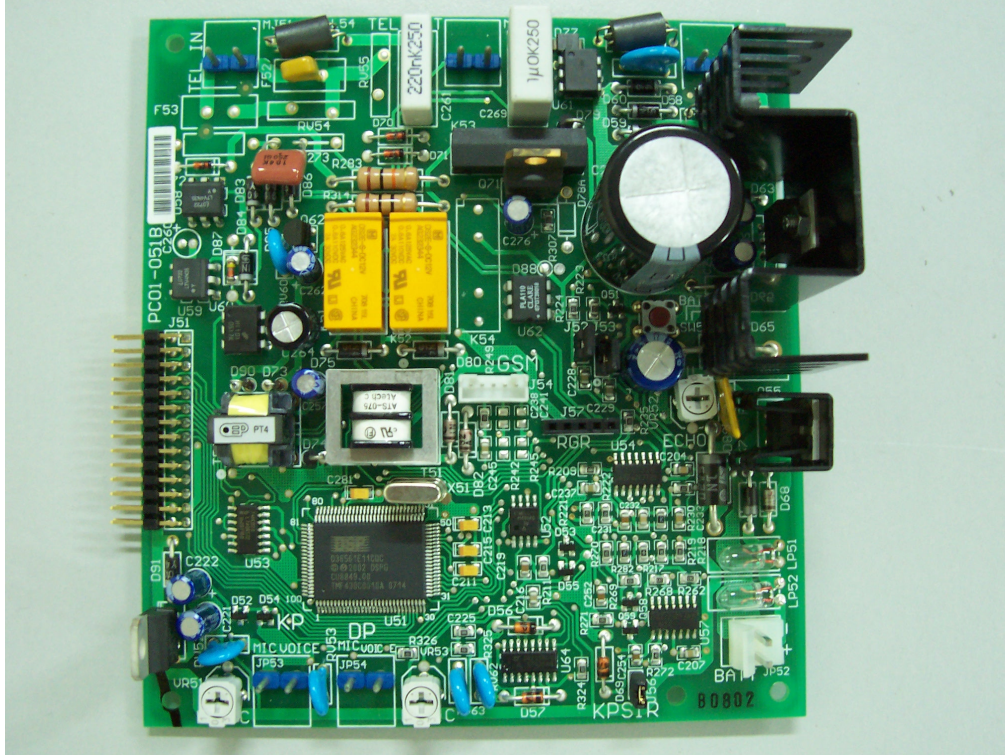


Programming the DSP Board



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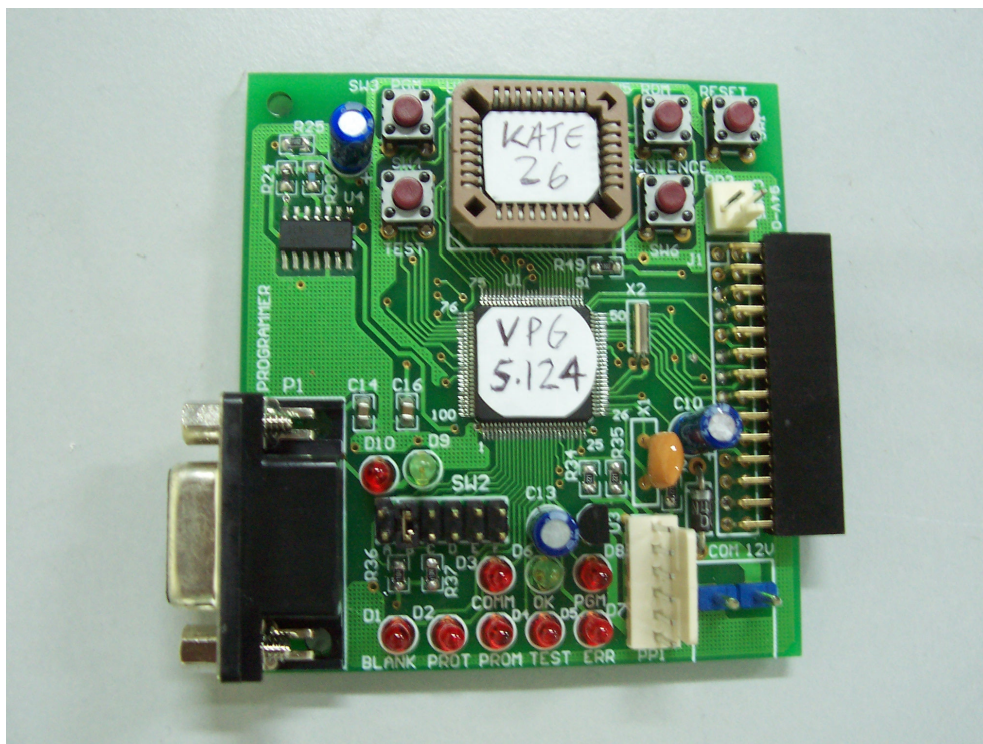


Figure 1.1 Voice programmer board

2. The Voice programmer should have a firmware marked VPG 5.124 or higher version.
3. Connect a DC 12 Volts supply to the JP1 terminal block of the Voice Programmer Board.
4. Switch on the DC12V power supply/transformer. All LEDs turn on momentarily and off leaving the Green OK led on.
5. Perform a ROM check by pressing the "ROM" (SW5) button. The Red TEST LED will turn on and the Green OK LED turns off for around 8 seconds, before the Green OK LED is turned on again and the Red TEST LED turned off.
6. Switch off the DC 12V power supply. The Voice Programmer is now ready to be connected to the DSP board.

INSTRUCTIONS

1. Connect the 28-female connector (J1) from Voice Programmer board to the 28-male connector (J51) of the DSP board.
2. Insert shunt at SW8-B for 4 MB flash. Remove the shunt if the flash is 8 MB.
3. Switch on the DC 12V power supply to the Voice Programmer board. All LEDs turn on momentarily and then off leaving the green OK led on. If not, press RESET.
4. Press the "PGM" (SW3) button to commence programming. The Green OK LED should turn off, followed by the Red BLANK LED turn on for a while and then off. After that, the Red PROT LED turns on steady for 4 MB flash (the PROT LED is off for 8 MB flash) during the entire programming process and TEST LED turns on momentarily and then turns off. After that PGM LED will be flashing and then steadily ON followed by TEST LED on and off shortly after and PGM LED will be flashing again; this cycle will repeat around four times before both PGM and TEST LEDs flashing for a while then both turn off followed by OK LED turns on indicating the programming has finished. Switch off power.
5. In any event of a programming failure, the Red ERR LED should turn on.
6. Note that it is **NOT** necessary to use the ROM, SENTENCE, or TEST buttons during programming of the DSP board.
7. P1 (RS232 port) is for future use.

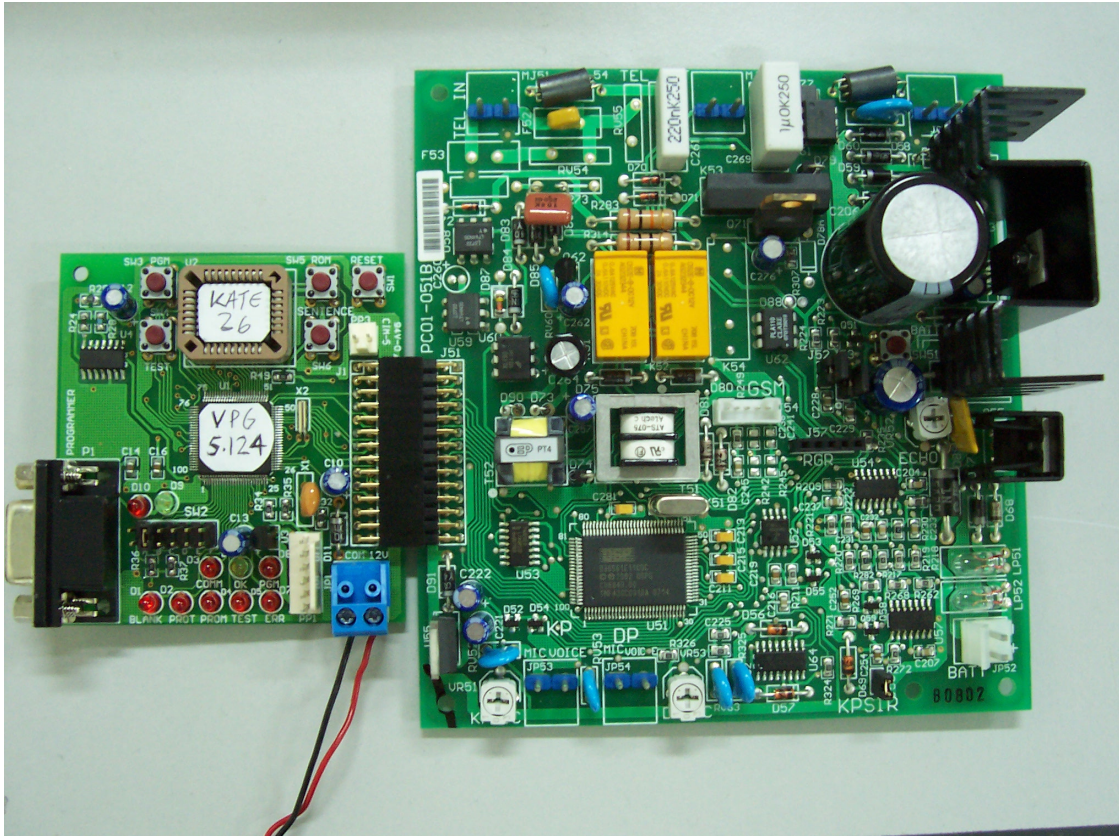


Figure 1.2 Voice programmer board connected to DSP board



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