MOSEL VITELIC INC.

9016

MSS0306 Emulation Board

General Description

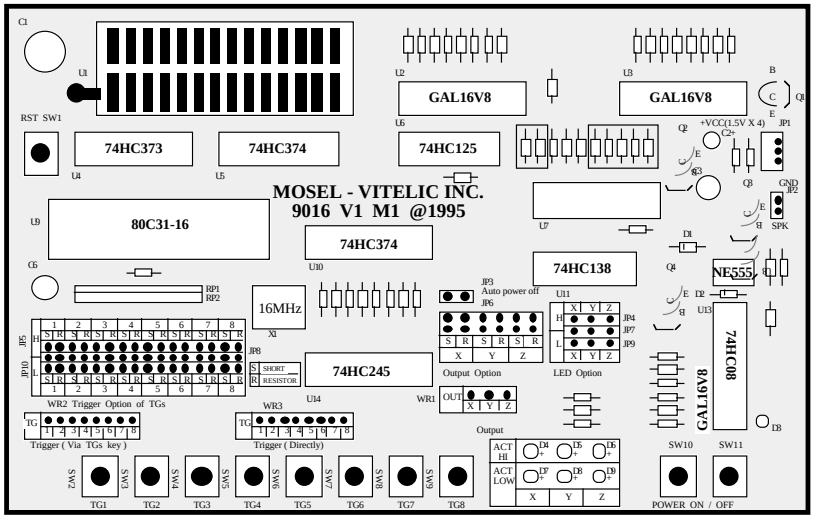
By Storing digitized voice data and options into 27C010 EPROM, this 9016 board emulates the function of MSS0306 chip although their DC / AC characteristics are not identical.

To configure the options of the target chip, you can specify them by entering into text file with text editor on personal computer. Running 9016PACK.EXE on PC you can easily get the compiled file to be put into EPROM. With some jumpers setting, this 9016 board performs versatile applications for your verification before chip fabrication.

Features

- It can simulate the function of MSS0306 (refer to the data sheet, PID 239** 06/95).
- Use the battery 1.5V x 4.
- 3 test pin sets are provided : WR1 (3 pins) , WR2 (5 of 8 pins) and WR3 (5 of 8 pins).
- 7 LEDs are provided : one for power indicator (D3) and 6 optional for output.
- Auto power off is provided (the function is set up by JP3).
- There are 11 switches on the board : one reset SW, one power on SW, one power off SW, eight push button switches (TG6~TG8 is reserved).
- There are 4 jumper sets on the board : one 2-pin header (JP3), one 3 x 3 - pin header (JP4, JP7, JP9), one 2 x 6 -pin header (JP6), one 3 x 16 - pin header (JP5,JP8,JP10).

Board Layout



JP1: connect with battery
JP2: connect with speaker
JP3: auto power off or not
JP4,JP7,JP9: LED selection
JP6: feedback drive selection
JP5,JP8,JP10: trigger drive selection
WR1: output test pin set
WR2: trigger drive pin set
WR3: trigger pin set
SW1: system reset key
SW10: power on key
SW11: power off key
SW2~SW9: switches to trigger
U1: 27C010 EPROM