

GENERAL DESCRIPTION

The MSW05 is a 16 channels transceiver for high voltage, high precision application, which integrate 16 independent solid state relays in a small package LQFP44.

The MSW05 provides 16 channels with a variable input voltage range, from -5V to 175V down to -180V to 0V, to have much flexibility for HV application, due to a very low input leakage current.

The MSW05 offers the possibility to switch on/off the channels independently, in serial or in parallel, in fast or slow driving mode, using slope controlled function, in case of low EMI and low noise injection through the line are required.

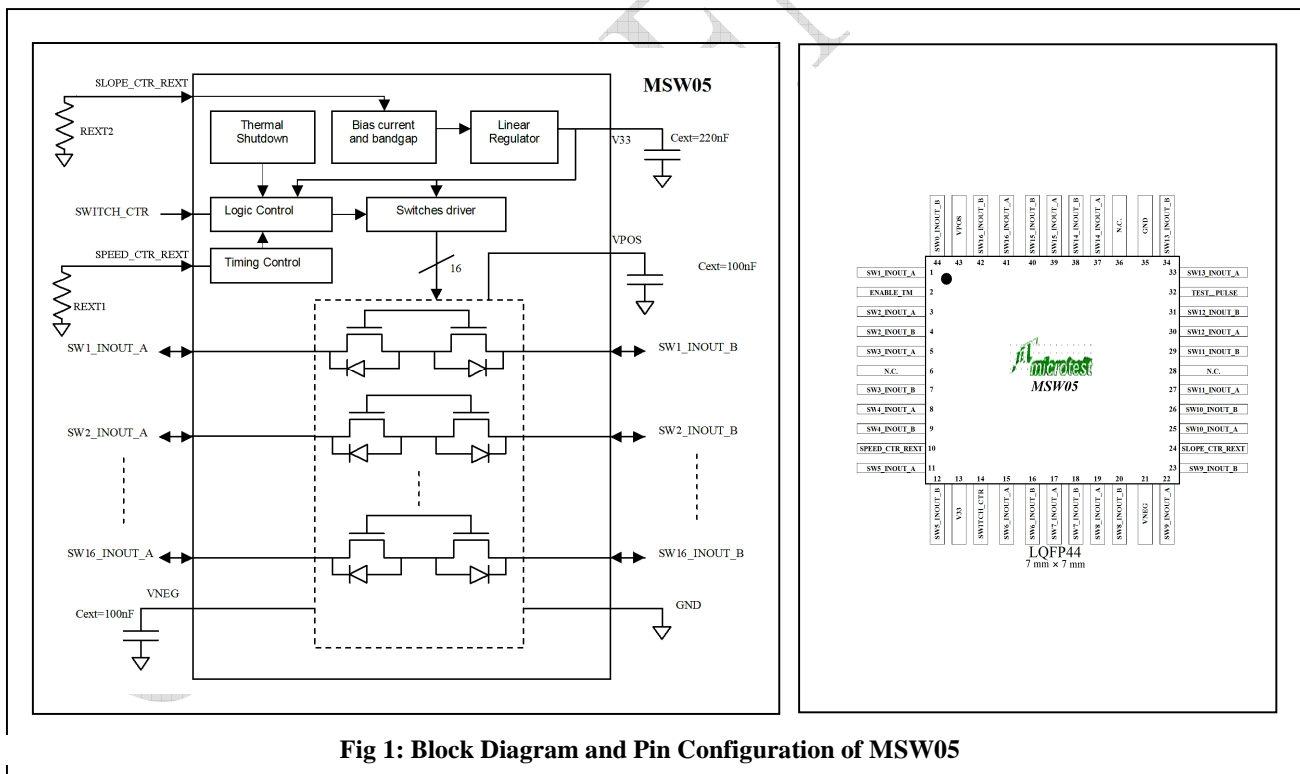
The MSW05 integrate a safety function, the over temperature control, to switch off all relays in case of high power dissipation.

FEATURES

- 16 INDEPENDENT HIGH VOLTAGE ANALOG/DIGITAL SWITCH (typical ON resistance: 20Ω)
- VERY LOW INPUT LEAKAGE CURRENT
- VARIABLE INPUT VOLTAGE RANGE FROM [-5V to 175V] DOWN TO [-180V to 0V]
- EASY ONE WIRE PROTOCOL (IN ORDER TO READ OR TO CHANGE INDEPENDENTLY ALL CHANNELS STATUS)
- VERY FAST ON/OFF TIME (LESS THAN 500ns)
- LOW INJECTION THROUGH SLOPE CONTROLLED
- OVER TEMPERATURE PROTECTION
- VERY LONG LIFE

APPLICATION

- PRINTERS, INDUSTRIAL, AUTOMOTIVE, MEMS
- ATE APPLICATIONS AND BURN-IN EQUIPMENT



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