UNITRODE

# Low Voltage Differential (LVD) SCSI 9 Line Terminator

FEATURES

- Low Voltage Differential Termination

- 2.7V to 5.25V Operation

- Differential Failsafe Bias

- Built-in SPI-3 Mode Change Filter Delay

- Supports Active Negation

- Standby (Disable Mode) 5µA

- 3pF Channel Capacitance\

- Reversed Disconnect Polarity

DESCRIPTION

The UCC5681 Low Voltage Differential Terminator is a low voltage differential terminator for the next generation SCSI Parallel Interface (SPI-3). The low voltage differential is a requirement for the higher speeds at a reasonable cost and is the only way to have adequate skew budgets. The UCC5681 is backwards compliant with SPI-2 (Ultra2) and compliant with SPI-3 (Ultra3), (Ultra160/m).

This device comes in a TSSOP package to minimize the footprint and with a unique pin out that eliminate feed through requirements.

BLOCK DIAGRAM

UDG-99158
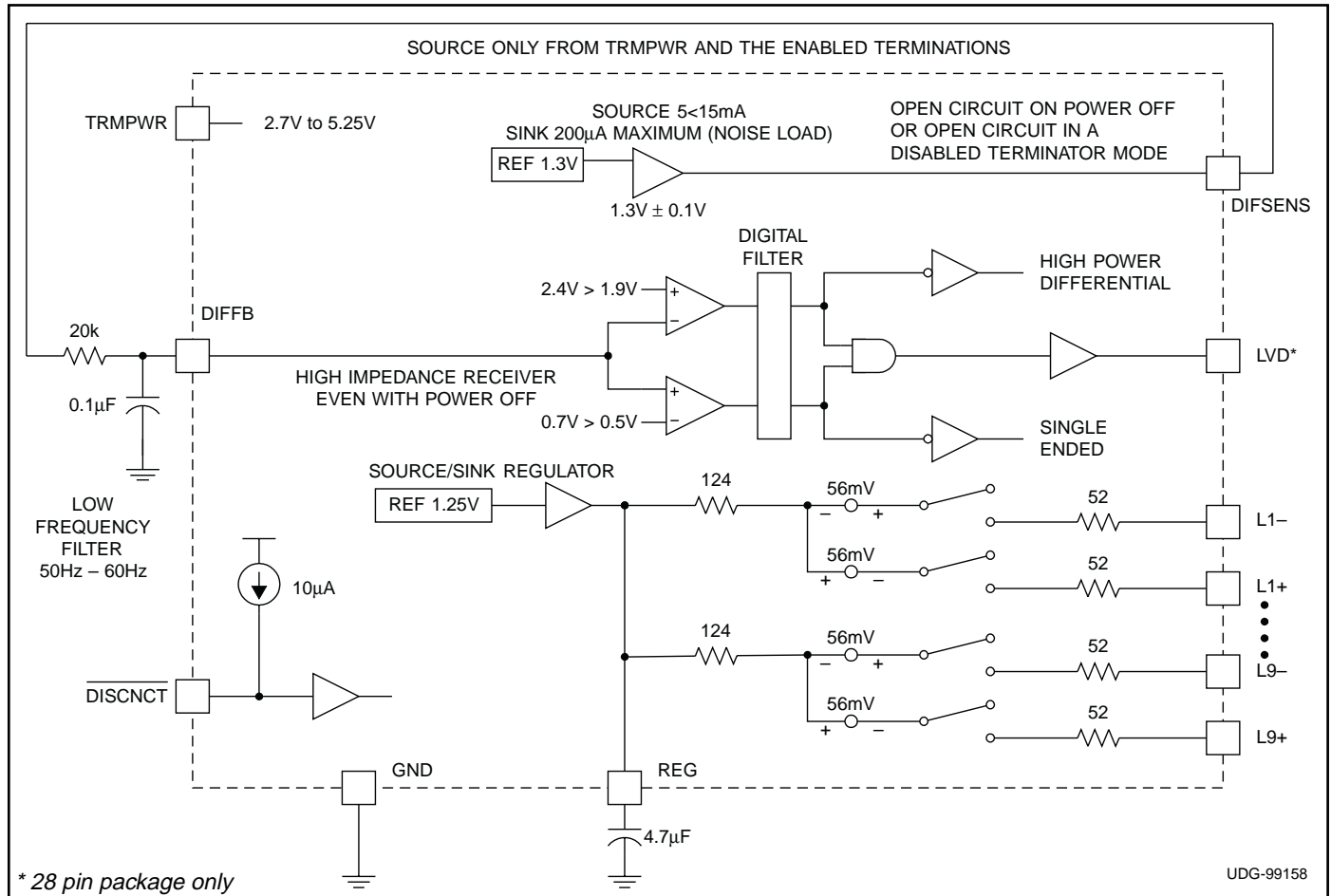
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