

## SD, SDIO, Mini SD, Micro SD and SIM Card Voltage Level Translator with EMI Filter and ESD Protection

## NVT4858

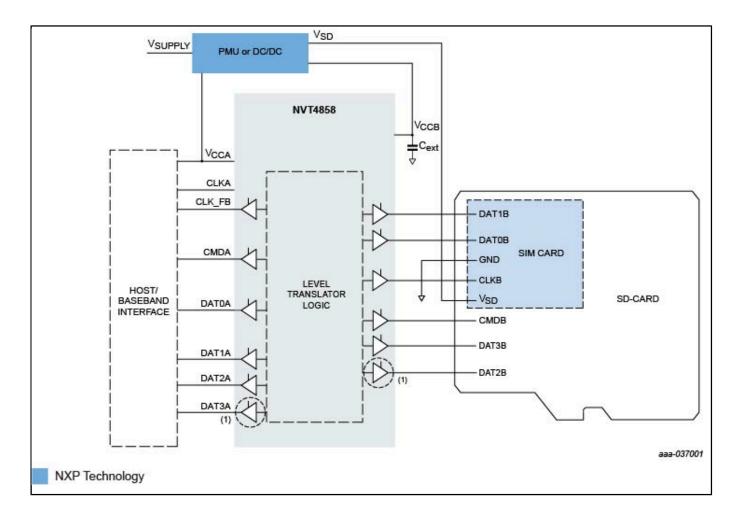
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The NVT4858 device is an SD 3.0-compliant bidirectional dual voltage level translator with auto direction control. It is designed to interface between a memory or SIM card operating between 1.65 V to 3.6 V signal levels and a host with a supply voltage of 1.08 V to 1.95 V.

The device supports SD 3.0 SDR104, SDR50, DDR50, SDR25, SDR12 and SD 2.0 High-Speed (50 MHz) and Default-Speed (25 MHz) modes. The device has an auto-enable/disable function connected to the VCCB supply pin, built-in EMI filters and robust ESD protections (IEC 61000-4-2, level 4).

This device also supports SIM card voltage level translator using CLK and two of the data lines for SD and SIM card combo sockets.

## NVT4858 Block Diagram Block Diagram



View additional information for SD, SDIO, Mini SD, Micro SD and SIM Card Voltage Level Translator with EMI Filter and ESD Protection.

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