



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

NVT4858

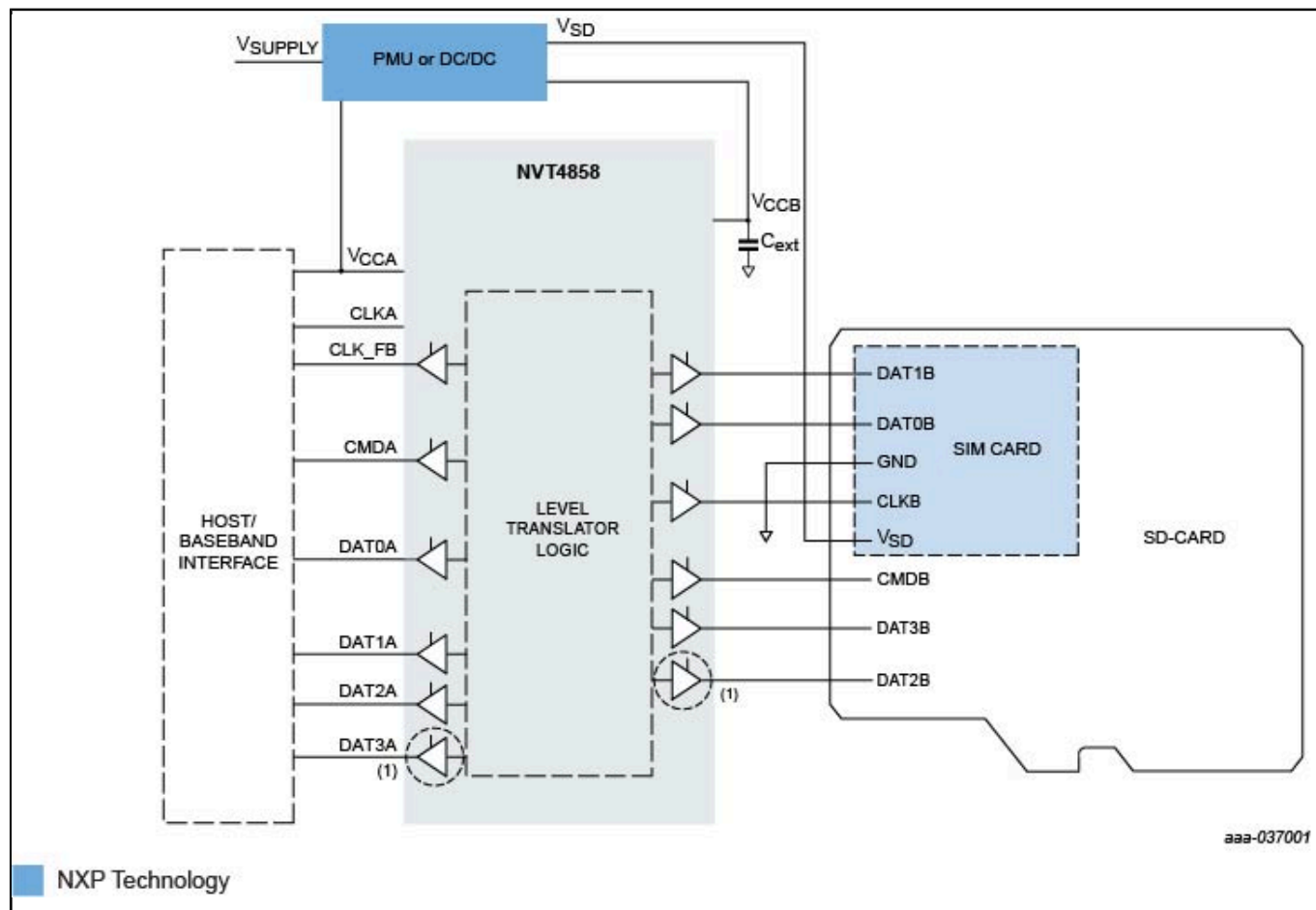
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The NVT4858 device is an SD 3.0-compliant bidirectional dual voltage level translator with auto direction control. It is designed to interface between a memory or SIM card operating between 1.65 V to 3.6 V signal levels and a host with a supply voltage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



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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