



MicroUSB Interface IC

MC34825

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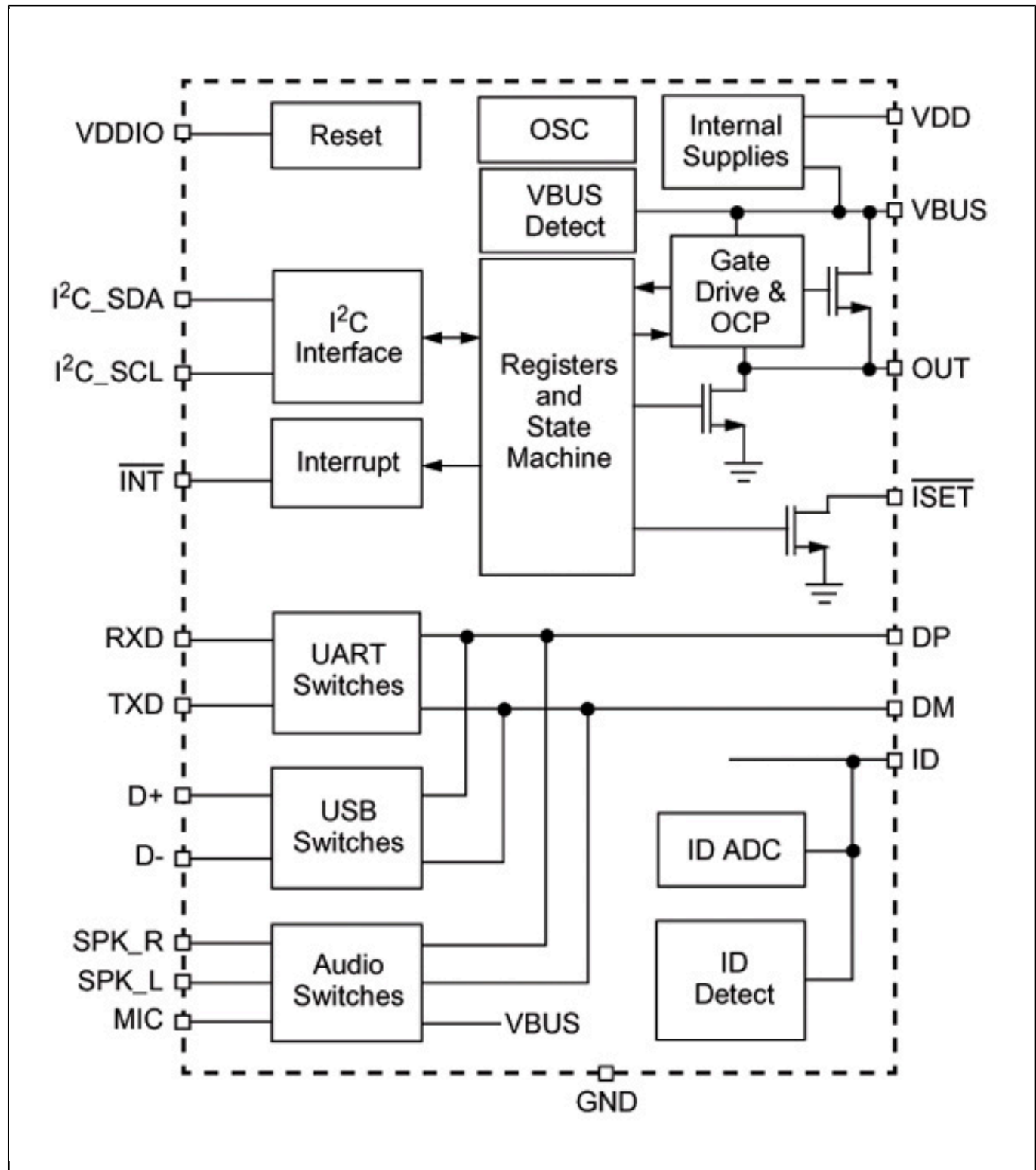
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The 34825 is designed to support the Universal Charging Solution (UCS) recommended by the OMTP (Open Mobile Terminal Platform), as well as to use the same 5-pin micro or mini-USB connector for other wired accessories. The 34825 supports various types of external power supplies, such as a dedicated ac/dc adapter or a USB port, to charge the battery. It has functions built in to identify the type of the power supply, and sets low or high charging current, based on the current capability of the power supply. The 34825 monitors the power supply, and offers an up to 28 V of over-voltage protection (OVP) to the cellphone against failed power supplies. The 34825 also contains analog switches to multiplex the 5 pins, to support UART and high speed USB data communication, mono or stereo audio headset with or without a microphone and a cord remote controller, manufacturing or research-and-development (R/D) test cables, and other accessories.

Freescale MC34825 Power Actuation Block Diagram Block Diagram



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