



# Octal Valve Controller System on Chip

## MC34SB0800

### Not Recommended for New Designs

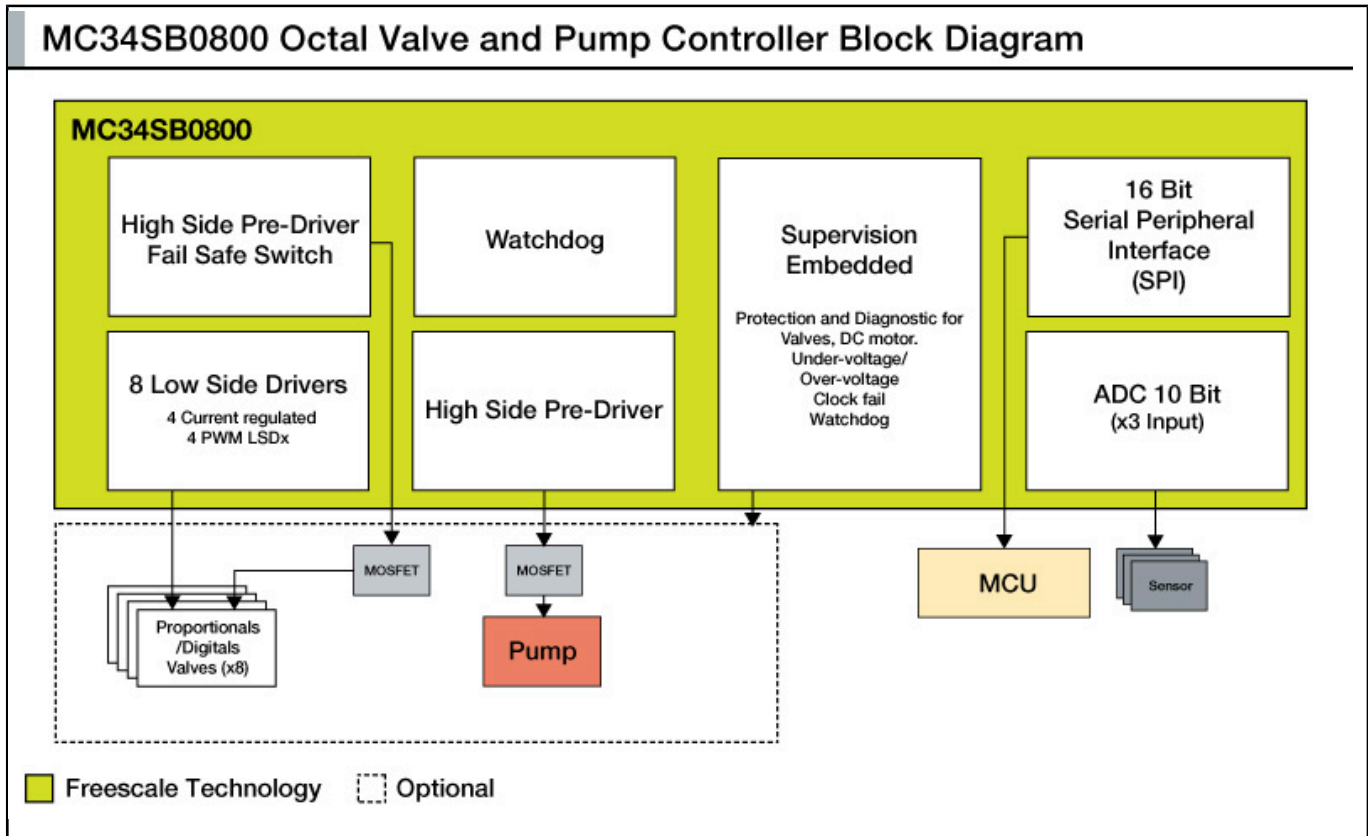
This page contains information on a product that is not recommended for new designs.

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The NXP® MC34SB0800 Octal Valve and Pump Controller System on Chip consists of four low-side drivers regulated and four low-side drivers digitals, plus a high side to control a DC motor.

- Suitable for loads with high inrush current and allows driving to high frequency (up to 5 kHz)
- With SPI communication, you can perform control and diagnostic functions directly on the chip
- Designed for harsh environments and includes self-recovery features due to the embedded supervision that allows extensive safety monitoring
- A predriver MOSFET increases safety by turning off all valves in the event of any issue
- Ideal solution to drive hydraulic or pneumatic valves without "smart electronics"
- [Processor Expert® component Valve Driver](#) and [Embedded Software Valve Driver](#) enables rapid embedded application development.

# MC34SB0800 Octal Valve and Pump Controller Block Diagram Block Diagram



View additional information for [Octal Valve Controller System on Chip](#).

Note: The information on this document is subject to change without notice.

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