



12 V Multipurpose Low RDS_{ON} eXtreme Switch

MC12XS2

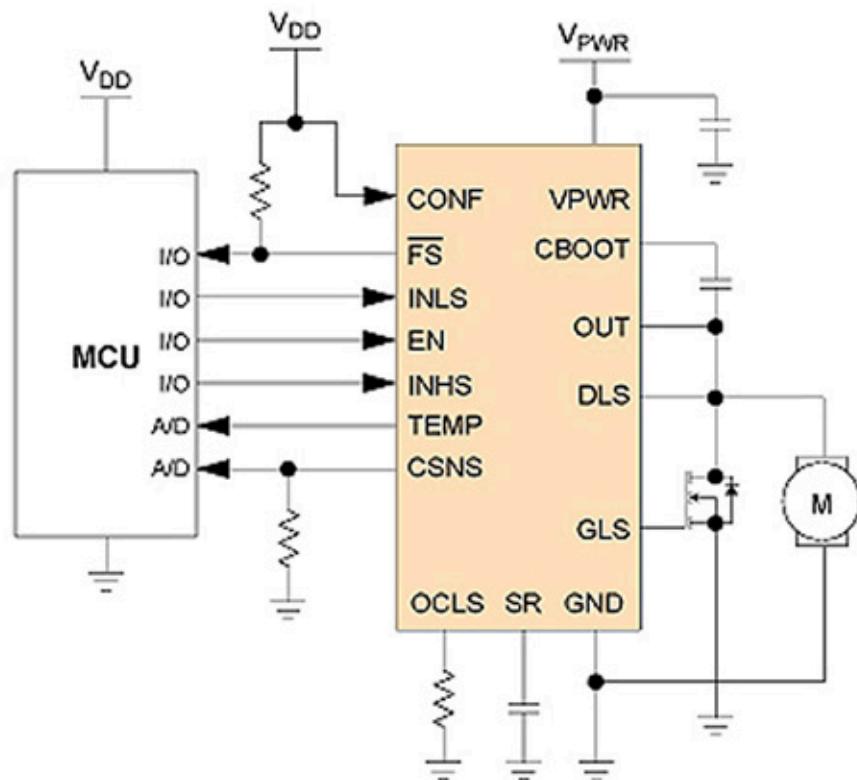
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The NXP 12XS2 eXtreme switch family consists of very low RDS_{ON} devices in single or dual high side configuration to replace electromechanical relays or discrete devices in power management applications and DC motor control.

- Designed for harsh environments and includes self-recovery features
- Suitable for loads with high inrush current, as well as motors and all types of resistive and inductive loads
- Programming, control and diagnostics are implemented via the serial peripheral interface
- A dedicated parallel input is available for alternate and pulse-width modulation control of the output
- Packaged in a power enhanced 16-lead PQFN, 12x12 mm package

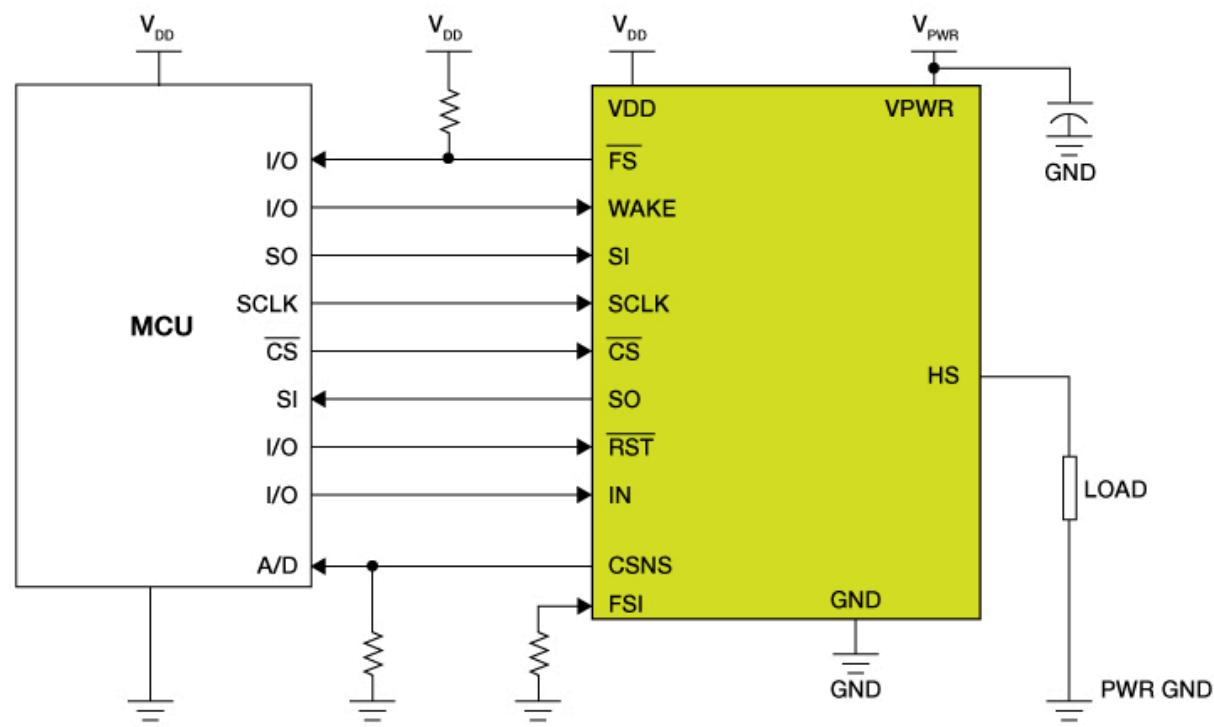
Simplified Application Drawing Block Diagram

Simplified Application Drawing

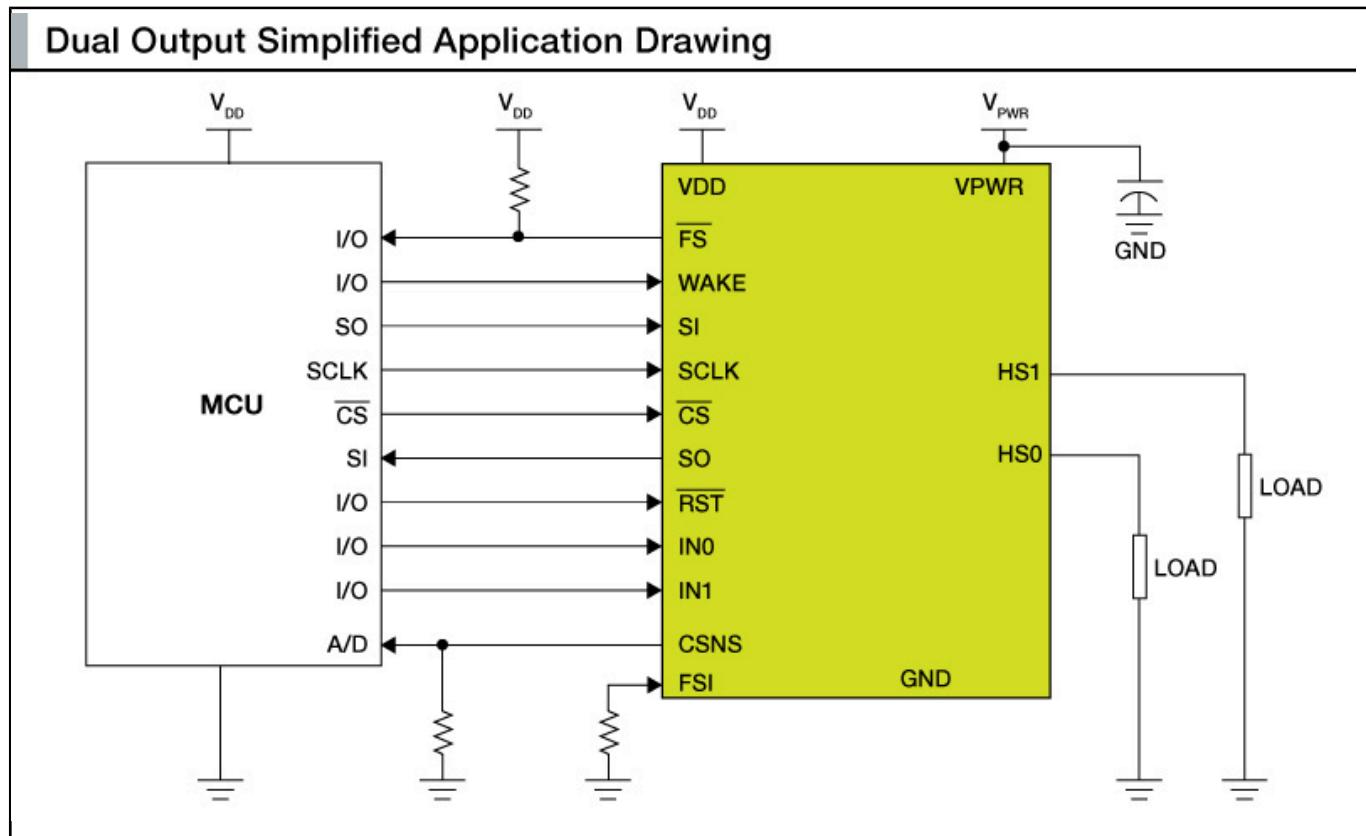


Single Output Simplified Application Drawing Block Diagram

Single Output Simplified Application Drawing



Dual Output Simplified Application Drawing Block Diagram



[View additional information for 12 V Multipurpose Low RDS0N eXtreme Switch.](#)

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