New Product Announcement

MPM54304
Quad-Output Power Module

The MPM54304 is a complete power management module that integrates four high-efficiency, step-down DC/DC converters, inductors, and a flexible logic interface. This COT control DC/DC converter provides fast transient response. Its default 1.5MHz switching frequency greatly reduces external capacitor size. Full protection features include UVLO, OCP, and thermal shutdown.

Fully Programmable
- Paralleling Channel 1 and 2
- Paralleling Channel 3 and 4
- Switching Frequency
- Output Voltage
- Over-Current Protection
- Over-Voltage Protection
- Power-On and Power-Off Sequencing
- Forced PWM or Auto-PWM/PFM

The MPM54304 employs the constant-on-time (COT) control, which provides ultra-fast load transient responses. The required output capacitance is minimized.

System Power Solution
The MPM54304 supports internal sequencing, making it easy to power multi-rail systems. It offers both start-up and shutdown configurations.

Simple Layout Makes Board Design Easy
Ultra-Small Solution Size ~120mm²

The MPM54304 can be programmed and shipped directly from the factory, ready to use on your board!

Check it out at monolithicpower.com/mpm54304