

Motion Controller (3395)

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The M3000 motion controller is a highly integrated, mixed signal system-on-a-chip combining the major building blocks necessary to control and position multi-phase step motors while also working as a high-speed general purpose microcontroller incorporating extensive communication, analog, and system functions. The M3000 is offered in 160-pin quad package (LQFP), 128-pin quad package (TQFP), and 128-ball grid array (TFBGA). Integration of the M3000's patented phase current control circuits enables motor performance to reach new limits of increased speed and smoothness while lowering audible noise and vibration.

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