

Programmable Industrial Controller Design Note #34

Motorola MC68HCS12 Processor



Reliable industrial controls supervise process flow in demanding power, chemical, automotive, and refining industries.

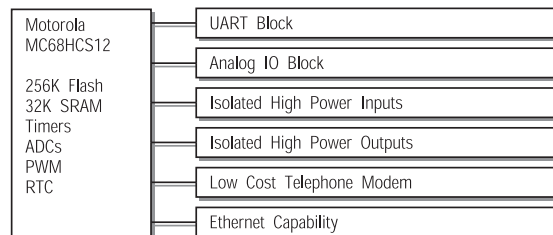
High Power Industrial Controller

Switching high power electrical signals requires in-depth knowledge of isolation, cross talk, and safety techniques. High power electrical signals can generate large voltage or current pulse, when switched. Isolation between high power signals and low power controls is often mandated by regulatory agencies. Implementation of cost effective, manufacturable high power switching designs necessitates careful component selection, circuit board routing techniques and noise reduction design approaches. Orchid Technologies has successfully designed numerous high power industrial controllers.

Motorola MC68HCS12 Microcontroller

“Unmatched in its class,” says lead designer Dean Craig of Orchid Technologies. “The Motorola MC68HCS12 gives us every feature we could want: large flash memory storage space, built-in static RAM, generous Input/Output pinning, background debug capability, integrated ADC, and timers at a great price!”

An Industrial Controller Architecture



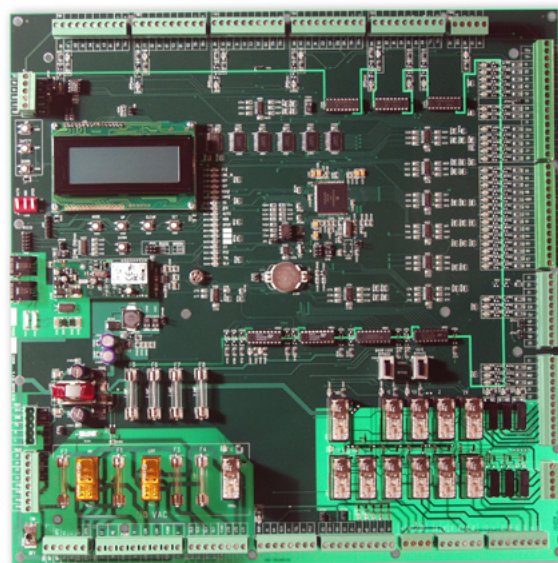
Orchid Technologies Delivers

The development of custom Electronics Technology solutions for our OEM clients is Orchid's entire business. Industrial Controller Design with rapid design cycles, demanding technical requirements, and unforgiving schedules set us apart. Call Orchid Technologies today, we'll design custom industrial control electronics for you too!



“Orchid Technologies expertise in switching high-power, noisy, electrical signals with state-of-the-art microcontrollers makes them a natural choice for all our industrial controller needs.”

VP Engineering



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Custom Engineering From Concept to Production

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