



MotoHawk Control Solutions

ECM-0S12-024-0804-C/F

Engine Control Modules

(Part No. 1751-6534, 1751-6432)

Description

Presenting the ECM-0S12-024-0804-C/F engine control modules from Woodward's MotoHawk Control Solutions product line. These rugged embedded controllers are capable of operating in harsh automotive, marine, and off-highway applications. Numerous successful industrial and heavy duty truck applications have proven the capability of this module. Based on a proven microprocessor, the ECM-0S12-024-0804-C/F is capable of delivering complex control strategies. The CAN 2.0B datalink ensures interoperability with other system components.

The ECM-0S12-024-0804-C/F modules are part of the ControlCore[®] family of embedded control systems. MotoHawk Control Solutions' ControlCore operating system, MotoHawk[®] code-generation product, and MotoHawk's suite of development tools enable rapid development of complex control systems.

IMPORTANT

Woodward does not warranty these ECMs based on information supplied in this datasheet, but only with an express and specific production supply agreement based on customer's operating mode. Information in this datasheet is subject to change without prior notice. Please contact MotoHawk Control Solutions sales for more information.

- **Microprocessor:**
Freescale S9S12
- **Memory:**
(MC9S12DT128BMPV)
128K Flash, 8K RAM
- **Operating Voltage:**
8–16 Vdc
- **Operating Temperature:** –40 to +105 °C
- Sealed connectors operable to 10 ft (3 m) submerged
- **Inputs:**
Up to 10 Analog
1 VR Frequency
- **Outputs:**
4x 3 A Low Side PWM
1x 4 A Low Side PWM
1x 1 A Tachometer
- **Datalinks:**
1 CAN 2.0B Channel

1 Block Diagram

