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Life Racing F88GDI ECU

Processing	Powerful Power PC RISC CPU for advanced strategy execution Custom synchronous processor for engine position tracking and output diagnostics
Outputs	28 general purpose Pulse Width Modulated power outputs, including: Up to 8 Ignition coil outputs Inductive or Voltage software configurable Up to 16 Fuel Injector outputs 1 or 2 x 20A Drive By Wire outputs 1 or 2 x Bosch HDP-5 Fuel pump control
Inputs	24 general purpose analogue sensor inputs, including up to 16 bipolar, inductive or hall effect speed / engine position inputs 4x acoustic knock sensor inputs 2x wide band (NTK UEGO) lambda sensor interfaces 2x K-type thermocouple sensor interfaces
Interfaces	100 MHz full duplex Ethernet for calibration, configuration and data download 3x CAN 2.0B interfaces for communication with other controllers or logging systems RS232 serial interface for communication with other controllers or logging systems
Memory	Up to 8Mb internal logging memory; fast download via Ethernet Optional internal Flash Data Memory 256Mb
Power Supply	6.3V to 36V input voltage range with reverse polarity protection 2 regulated 5V sensor supply outputs with individual short circuit protection Software configurable (5 to 12V) sensor supply output (eg for 10V load cells) 3 separately protected sensor and communication ground inputs
Physical	88 Way Bosch / AMP sealed connector CNC machined, 'O' ring sealed, black anodised aluminium case Total mass is 650 grams Operating Temperature -55 to +95 C
Applications	All 4 stroke and 2 Stroke engine including Rotary up to 25,000RPM