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Life Racing F90GDI ECU

Processing	Powerful Dual Power PC RISC CPU for advanced strategy execution Custom synchronous processor for engine position tracking and output diagnostics
Outputs	44 general purpose Pulse Width Modulated power outputs, including: Up to 12 ignition coil outputs Up to 32 fuel injector outputs 2 x 6A Drive By Wire outputs 2 x Bosch HDP-5 Fuel pump control
Inputs	54 general purpose analogue sensor inputs, including up to 32 bipolar, inductive or hall effect speed / engine position inputs 4 acoustic knock sensor inputs 2 wide band (NTK) lambda sensor interfaces 2 K-type thermocouple sensor interfaces
Interfaces	100 MHz full duplex Ethernet for calibration, configuration and data download 3 x 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) Unregulated sensor supply output which tracks the ECU supply voltage with nominal 17V clamp 5 separately protected sensor and communication ground inputs
Physical	4 Autosport Connectors CNC machined, 'O' ring sealed, black anodised aluminium case Total mass is 650 grams Operating Temperature -55 to +95 C