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Life Racing F88 ECU

Processing	Powerful RISC CPU for advanced strategy execution Custom synchronous processor for engine position tracking and output diagnostics
Outputs	24 general purpose Pulse Width Modulated power outputs, including: 2 x DBW or HDP-5 GDI Fuel Pump Control Up to 8 ignition coil outputs Up to 16 fuel injector outputs
Inputs	24 general purpose analogue sensor inputs, including up to 16 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 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	4MB or 8MB battery backed internal logging memory; download in under 10 seconds via Ethernet
Power Supply	6.5 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	88 pin automotive connector CNC machined, 'O' ring sealed, anodised aluminium case Maximum dimensions including the connectors are 178 x 122 x 36 mm Total mass is 495 grams