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Life Racing F88RX ECU

Processing	Powerful RISC CPU for advanced strategy execution Custom synchronous processor for engine position tracking and output diagnostics
Outputs	16 general purpose Pulse Width Modulated power outputs, including: Up to 4 ignition coil outputs Up to 16 fuel injector outputs
Inputs	22 general purpose analogue sensor inputs, including up to 4 bipolar, inductive or hall effect speed / engine position inputs 1 wide band (NTK) lambda sensor interface
Interfaces	100 MHz full duplex Ethernet for calibration, configuration and data download 2x CAN 2.0B interfaces for communication with other controllers or logging systems RS232 serial interface for communication with other controllers or logging systems
Memory	1MB battery backed internal logging memory; download via Ethernet
Power Supply	6.3 to 30V 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 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 Operating Temperature -40 to +95 C
Applications	All 4 stroke and 2 Stroke engine including Rotary up to 25,000RPM