

Life Racing Limited  
Unit 6 Repton Close  
Burnt Mills Industrial Estate  
Basildon  
Essex  
SS13 1LE  
United Kingdom

Phone: +44 1268 274421  
Fax: +44 1268 274420  
Email: [sales@liferacing.com](mailto:sales@liferacing.com)  
Web: [www.liferacing.com](http://www.liferacing.com)



## Life Racing F42 ECU

<b>Processing</b>	<b>Powerful RISC CPU for advanced strategy execution Synchronous processor for engine position tracking and output diagnostics</b>
<b>Outputs</b>	<b>17 general purpose Pulse Width Modulated power outputs, including: Up to 4 ignition coil outputs Up to 8 fuel injector outputs 3 High side 20A outputs with dedicated power input stud or Low Side</b>
<b>Inputs</b>	<b>8 general purpose analogue sensor inputs, including up to 4 bipolar, 2 dedicated inductive or hall effect speed / engine position inputs Unused outputs can be used as inputs to increase versatility</b>  <b>3 Axis Accelerometer (optional)</b>  <b>1 wide band (NTK) lambda sensor interface</b>
<b>Interfaces</b>	<b>100 MHz full duplex Ethernet for calibration, configuration and data download 1 CAN 2.0B interfaces for communication with other controllers or logging systems RS232 serial interface for communication with other controllers or logging systems</b>
<b>Memory</b>	<b>Internal logging memory; download via Ethernet 1Mbyte to 32Mbyte</b>
<b>Power Supply</b>	<b>6.3V to 36V input voltage range with reverse polarity protection 1 regulated 5V sensor supply output with individual short circuit protection Separately protected sensor and communication ground inputs</b>
<b>Physical</b>	<b>42 pin automotive connector Machined Aluminium sealed case Maximum dimensions including the connectors are 135 x 118 x 42 mm Total mass approx 0.35kg</b>
<b>Applications</b>	<b>All 4 Stroke and 2 Stroke engines plus Rotaries with Max RPM 25,000</b>