Provided Software

Complete suite of software for use with the RS-EDP platform.
This software includes all of the low level drivers to talk to the other modules, including Analogue Module AN16, Digital IO Module DIO54, and Communications Module CO1.

The provided software has been written using Keil uVision MDK-ARM and fits inside the 32k code limit evaluation version of the tool.

Key Features

- 100pin ARM7 NXP LPC2368 CPU device capable of running up to 72MHz
- 512k bytes on board FLASH memory
- 32k bytes on board SRAM
- On board 10/100M bit Ethernet Controller & PHY
- Full Speed USB2.0 Device Mode controller
- Two UARTs
- Two CAN 2.0B controllers
- Two SPI interfaces
- Two enhanced I2C interfaces
- SD Card Interface & Adapter Connector (SPI Mode)
- 10bit on board ADC controller
- 4 general purpose timers with PWM & capture compare capability
- Three phase motor control block (or 6 PWM outputs)
- Real Time Clock
- Watchdog Timer
- JTAG Debug capability
- 8 channel DMA controller
- Nested Interrupt Controller
- 3.3V operation
- Classic 20 way header for JTAG operation
- JTAG port can take a multitude of debug tools, including ULINK, JTRACE and Tantino