Scalable Mainstream 32-Bit MCU Based on ArmArm® Cortex®-M3 Core

LPC1754FBD80

Last Updated: Jul 31, 2023

The LPC1754 is a Cortex-M3 microcontroller for embedded applications featuring a high level of integration and low power consumption at frequencies of 100 MHz. Features include 128 kB of flash memory, 32 kB of data memory, USB Device/Host/OTG, 8-channel DMA controller, 4 UARTs, 1 CAN channels, 2 SSP, 1 SPI, 2 I2C, 8-channel 12-bit ADC, DAC, motor control PWM, Quadrature Encoder interface, 4 general purpose timers, 6-output general purpose PWM, ultra-low power Real-Time Clock with separate battery supply, and up to 52 general purpose I/O pins.
Block diagram: LPC1751FBD80, LPC1752FBD80, LPC1754FBD80, LPC1756FBD80, LPC1758FBD80 Block Diagram

View additional information for Scalable Mainstream 32-Bit MCU Based on Arm® Cortex®-M3 Core.