FreeSoC2 Development Board

DEV-13714

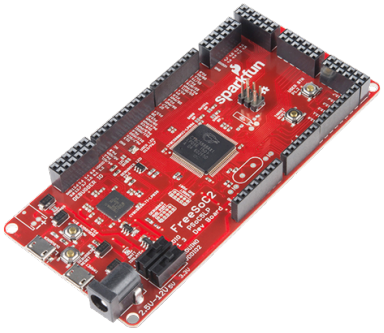
Product Overview

11-29-2021

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

SparkFun FreeSoC2 Development Board is designed to evaluate PSoC5LP ARM Cortex. The Programmable System-on-chip (PSoC) is a highly configurable system-on-chip architecture for embedded control design. This PSoC is available with features of programmable devices and microcontroller-type systems-on-chips together in one package. The onboard PSoC includes programmable blocks which are designed to define arbitrary digital and analog circuits for a specific application.



The FreeSoC2 development board consists of two processors onboard a CY8C5868LTI-LP039 and a CY8C5888AXI-LP096. These processors feature Cortex-M3 processor core, 256kB of flash memory, 64kB of SRAM, and 2kB of EEPROM. The FreeSoC2 development board support 5V and 3.3V I/O voltages, drive the processor up to 80MHz and the Cortex-M3 core provides superior performance. This Arduino core is ported to the PSoC5LP in standard Arduino IDE which duplicates the functionality of an Arduino Uno R3's various hardware peripherals on the pins.

Features

- CY8C5868LTI-LP039 and CY8C5888AXI-LP096 Cortex-M3 processor cores
- 256kB of flash memory
- 64kB of SRAM
- 2kB of EEPROM
- Arduino Uno R3-type header

Schematic

- FreeSoC2 Schematic

Mouser Part Number

View Part

To learn more, visit https://www.mouser.in/new/sparkfun/sparkfun-freesoc2-devl-board/