PRUCAPE Programmable Real-Time Unit (PRU)

BeagleBone Black add-on board
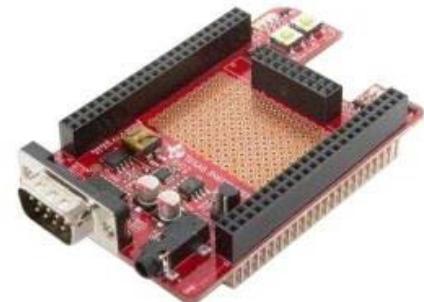
Product Overview
07-08-2021
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Description

Texas Instruments PRUCAPE Programmable Real-Time Unit (PRU) is a BeagleBone Black add-on board, which allows users to get to know about the TI's basic functionality and PRU core. The PRU is a low-latency microcontroller subsystem that's been integrated into the Sitara AM335x and AM437x family of devices. PRU core is optimized for real-time processing, deterministic, direct access to I/Os, and ultra-low-latency requirements. It includes pushbuttons and LEDs for GPIO, temp sensor, and audio. Together PRUCAPE the BeagleBone is an ideal evaluation module solution to begin PRU development on the Sitara platform.

Features

- Temperature sensor monitoring using 1-wire interface
- LCD Connector for optional character display (not included)
- Compatible with Newhaven NHD-0208AZ-RN-YBW-33V
- Audio jack connection output
- Dual GPIO push button switch
- LEDs

Kit Contents

- PRUCAPE - BeagleBone Black compatible plug-in board ("cape")

Mouser Part Number(s)

View All Parts

To learn more, visit https://www.mouser.com/new/texas-instruments/ti-prucape-programmable-real-time-unit/