BananaPro/Pi:Expansion Boards

From BananaPro/Pi

Contents

LED Board

LED Board is a practical expansion board for 40 Pins LeMaker SBCs such as Banana Pro and LeMaker Guitar Base Board Rev.B, which integrates the 28 Road LED and 15 Road buttons with the 40 Pin GPIO interface; LED board can be used as digital input and output terminals in control systems such as intelligent access information center and calculators, or simply it is a very convenient experimental board for 40 Pins LeMaker SBCs.

Specifications

- 15 Key
- 28 LED
- 2 power indicator LED

Examples and Usages

- C language: WiringLMK#Simple_Example
- Python language: LMK.GPIO#Simple Example
- LeScratch: LeScratch_User_Guide#Example_1:_LED_Board

LN_Digital

LEMAKER HOMEDOWNLOADFORUMBLOGPRODUCT

LN_Digital is a practical expansion board for 40 Pins LeMaker SBCs such as Banana Pro and LeMaker Guitar Base Board Rev.B, allowing you to sense and control the real world. With LN Digital you can detect the state of a switch, for example from a pressure pad, a door sensor or any number of other switch types. Once this state has been detected, you can write your own software for the Banana Pro that determines how to respond to that switch state. You can drive outputs to power motors, actuators, LEDs or anything else you can imagine!

Specifications

- MCP23s17 16bit IO port. 8 input port + 8 output port.
- ULN2803A
- Two relays
- 4 switch corresponding to 0-3 input.
- 8 LED indicator corresponding to 8 output.

Software Installation

You can use the LN_Digital_Installer (https://web.archive.org/web/20200222181700/https://github.com/LeMaker/LN_Digital_Installer) to install all the LN_Digital packages.