

n-Blocks

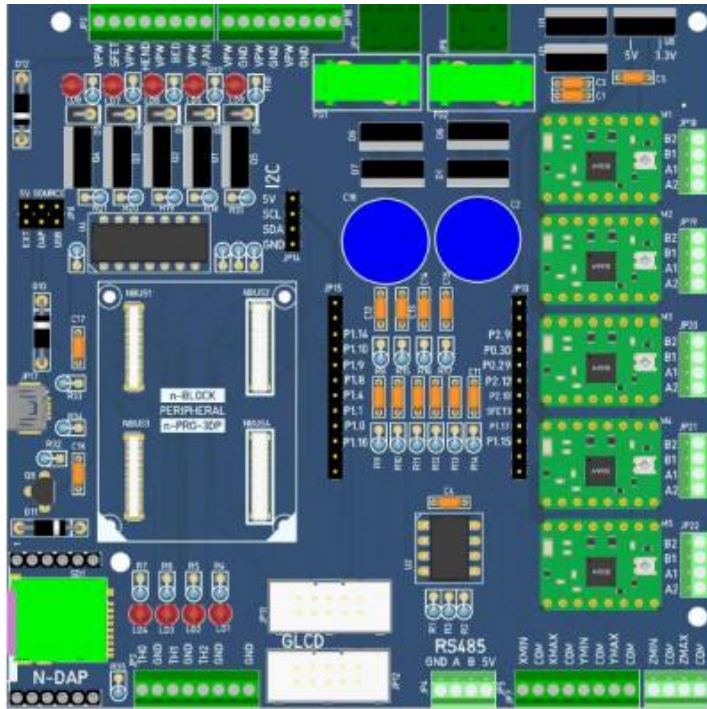
n-PRO-3DP

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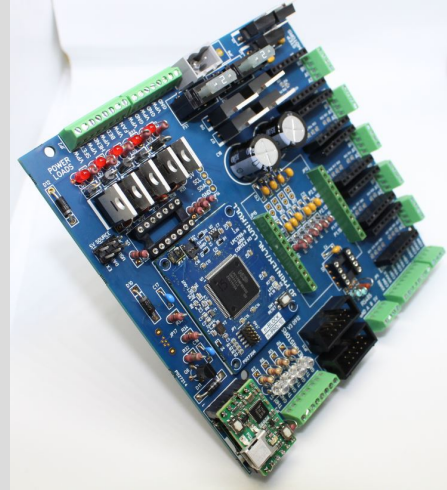
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n-PRO-3DP

ni-PRO-3DP is a motherboard from the n-Blocks family especially suitable for the control of small and medium sized 3D printers/CNC/Laser.



ni-PRO-3DP



ni-PRO-3DP

License	GPL 2.0
Status	Tested
Buy at:	
Categories	
Hardware repo	Bitbucket
Firmware repo	Bitbucket

1. Overview

ni-PRO-3DP is a motion controll board that is integrated with the mighty function of n-Blocks-PRO. The most attractive feature of this board is the streamlined interfaces, which help us to avoid the unnecessary troubles in handling the multiple motors, heaters, fans, end-stop switches, thermistors and sensors. Compact layout design allow us to integrate all required functionality in small space. The versatile screw-terminals, support simple setup for all sort of stepping-motor/motion/power applications.

Applications

- CNC milling
- Laser cutting

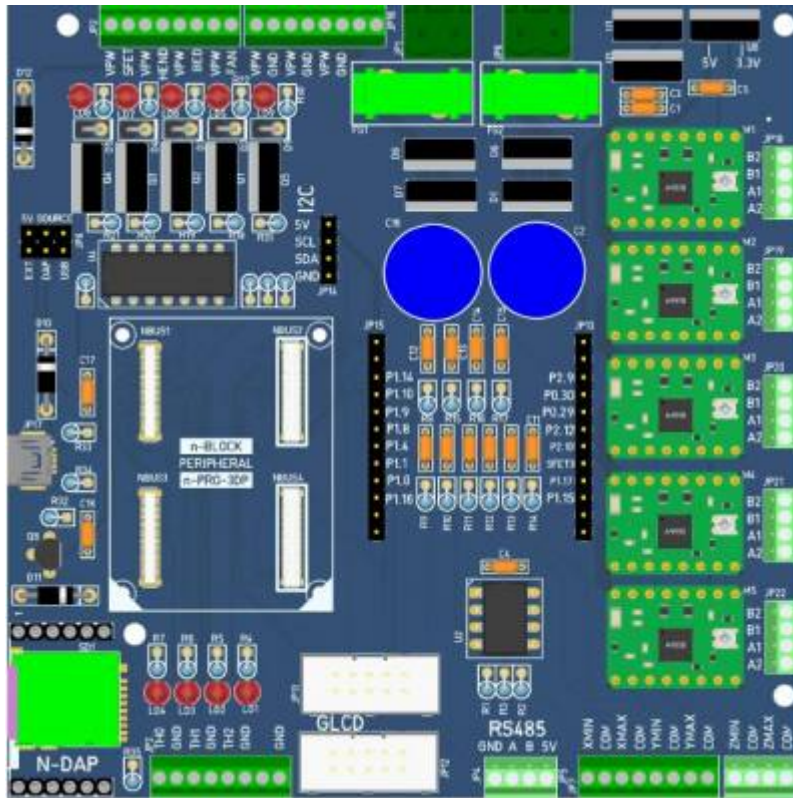
- 3D printing or any Industrial or commercial custom robotic control application.

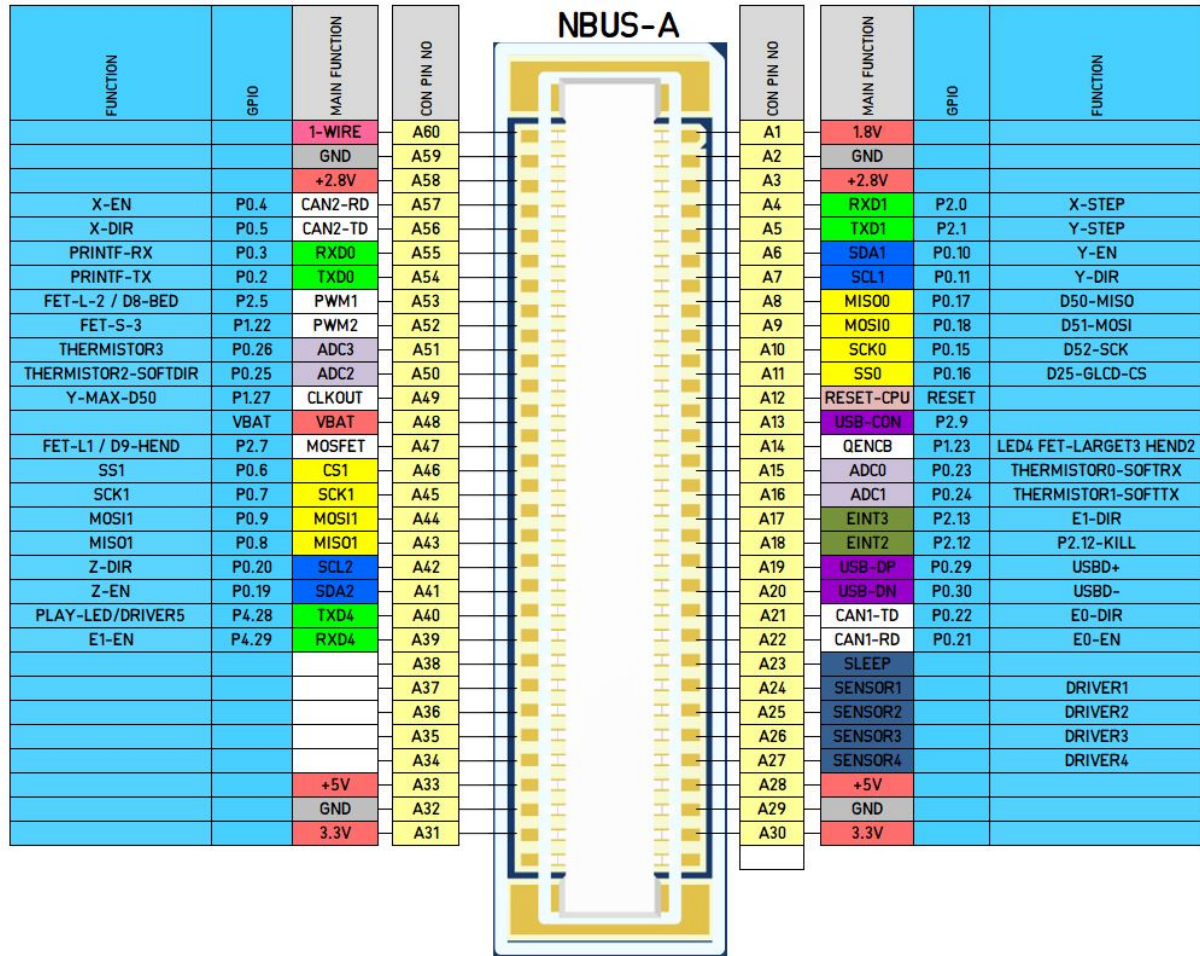
Main Features Of The Board

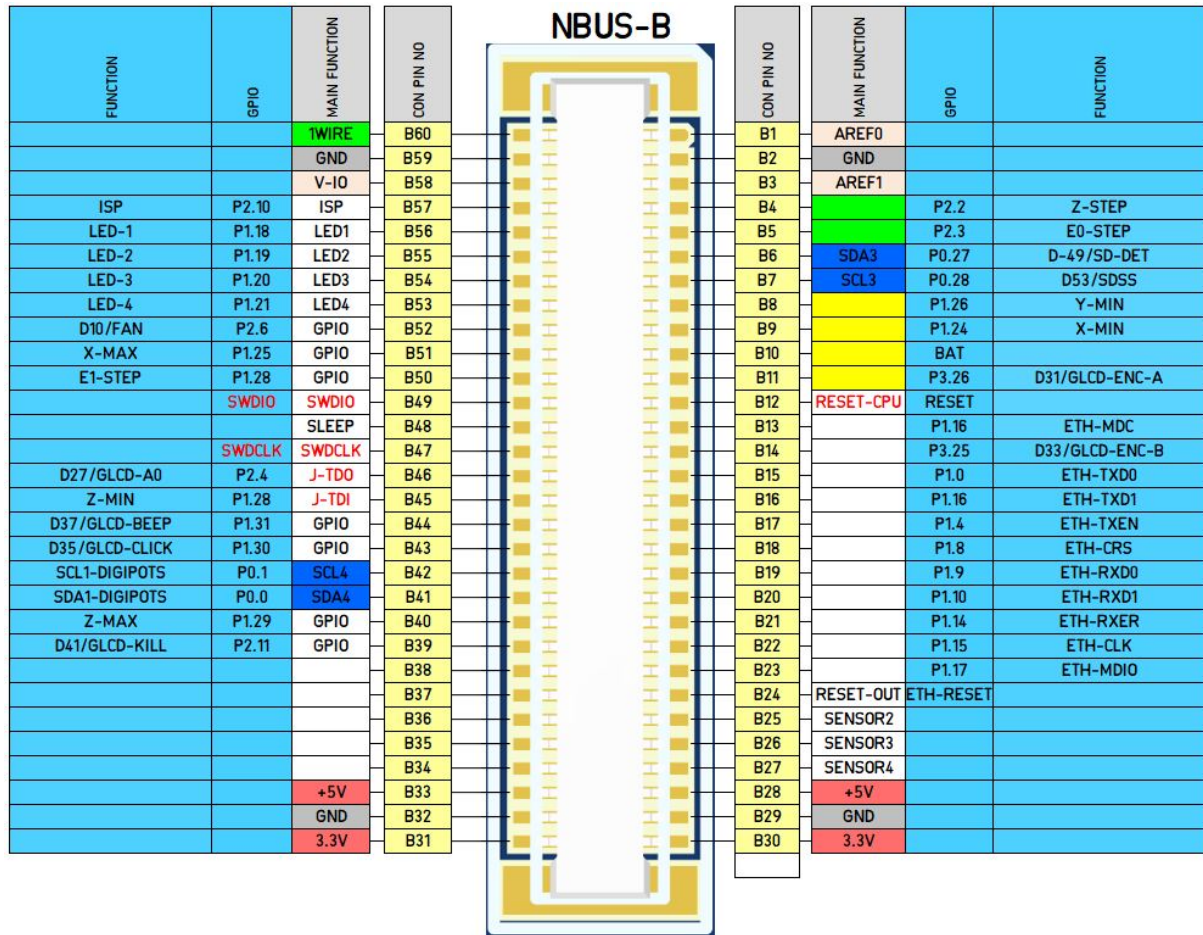
- Different processor can be integrated by plugging nBlocksPRO boards for LPC1768, STM32F103,F401,...
- Many options of StepstickK stepping-motor drivers can be used, including Super quiet Silent-Stepsticks
- Convenient for users to DIY and secondary development
- Four Hirose DF30-series 60-pin low profile connectors
- n-DAP can be integrated for convenient firmware development/Debugging
- Modular, event-driven design, allowing to add functionality easily, when used with nBlocksStudio
- Smoothieware compatibility
- Easy to use and configure.
- Smooth, jerk-free motion and enabling higher speeds
- Can be used for CNC milling, laser cutting, and 3D printing
- SD-Card support for configuration and executing G-code
- Composite USB Mass Storage + Serial interface to host

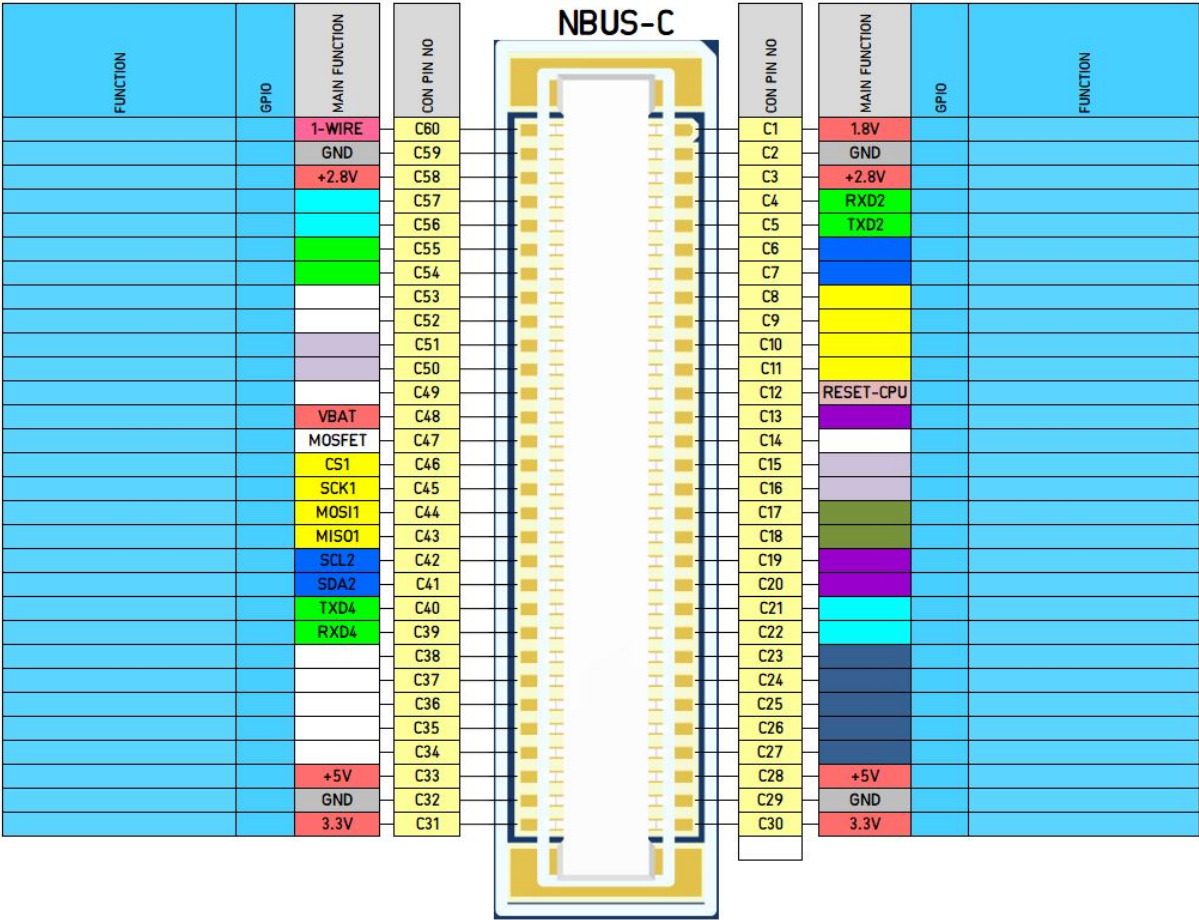
Board Pinout

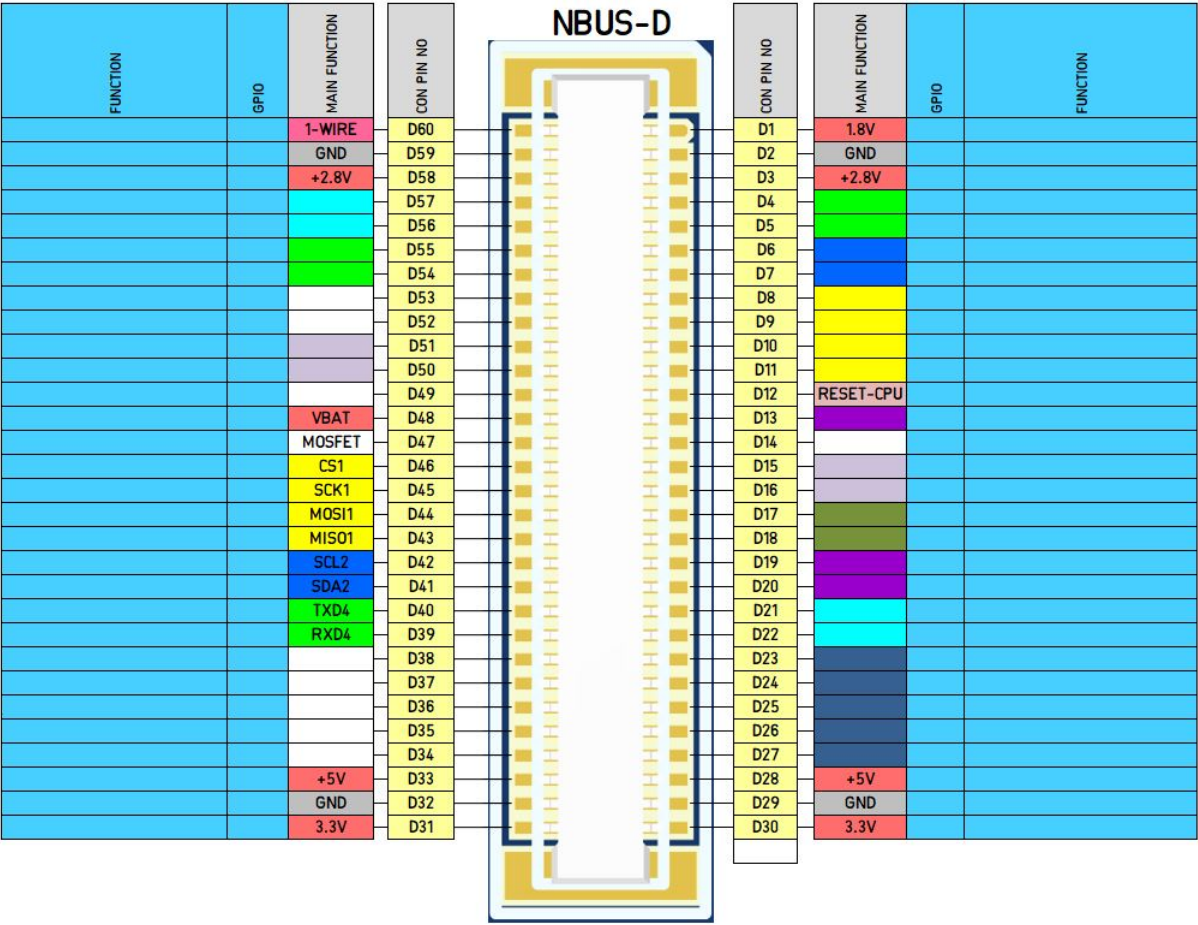
n-PRO-3DP is a **PERIPHERAL** board with four Hirose DF30-series 60-pin low profile connectors at top side,











Related articles in this Wiki

- [ni-pro-3dp](#)

[RF](#), [CPU](#), [nblock](#), [BLE](#), [nsensorRF](#)

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