LPCXpresso Click Shield

Expand functionalities of your boards Xpressly

PID: MIKROE-3932
Weight: 25 g

LCPXpresso Click Shield designed to support multiple NXP development platforms which use Arduino connector and equip them with two mikroBUS sockets. Start your development with ease on LPCXpresso platform and get immediate access to hundreds of Click boards in our offer.
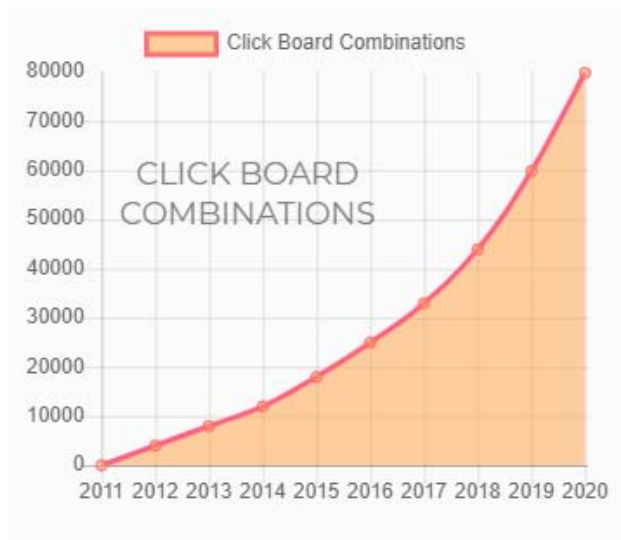

OVERVIEW

LPCXpresso is the development platform pioneered by NXP® and Embedded Artists. It includes low-cost LPCXpresso target boards which are designed for simple, rapid prototyping and evaluation. LPCXpresso development boards work with the MCU Xpresso or industry-leading partner toolchains and they are equipped with the Arduino expansion socket.
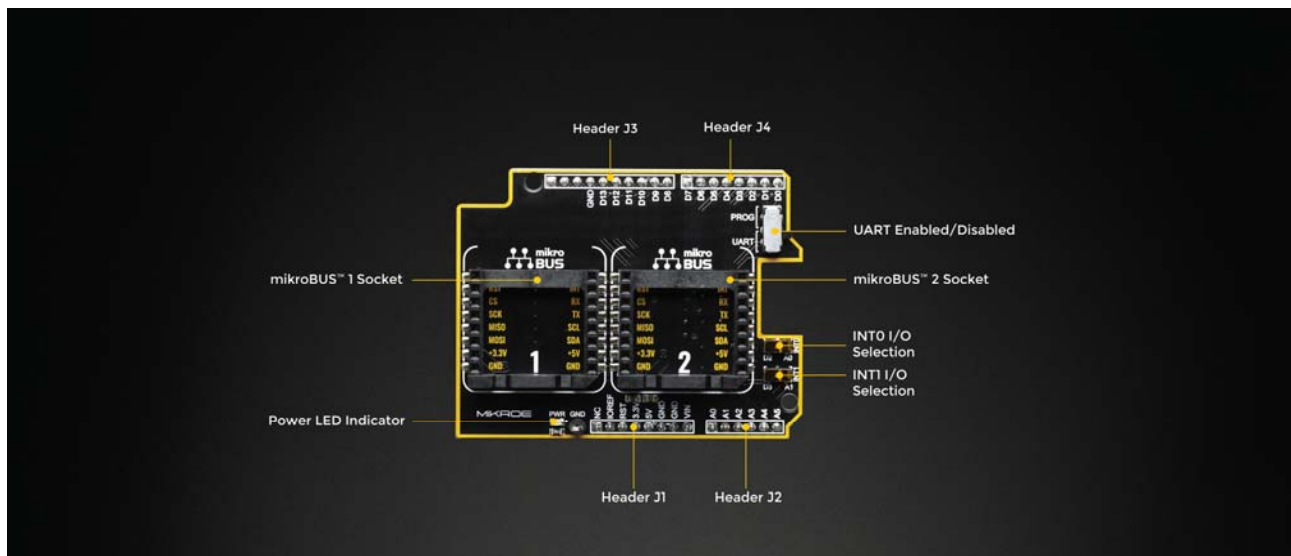
LPCXpresso Click Shield is the perfect way to expand the functionalities of your LPCXpresso development boards with Arduino socket to 2 mikroBUS™ sockets and add any functionality from our ever-growing range of Click boards™. We are fully stocked with everything from sensors and WiFi transceivers to motor control and audio amplifiers.You name it we have it! This amount of Click boards gives you a versatile selection of peripheral devices that can be taken off the shelf and used for prototyping in no time.

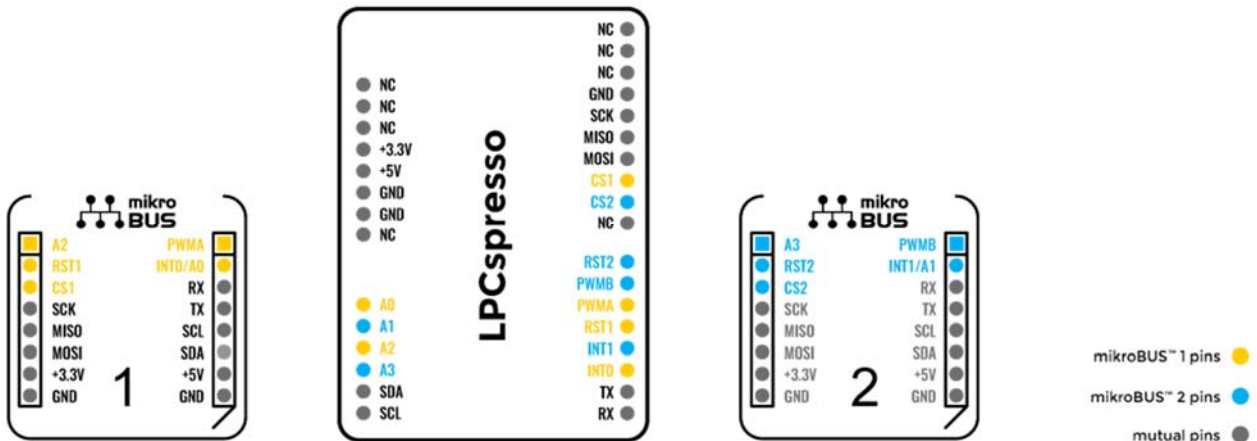**Note**: LPCXpresso development board is not included in the package.

MAIN FEATURES

LCPXpresso Click Shield designed to support multiple NXP platforms which use Arduino connector and equip them with two mikroBUS sockets. This shield is specially designed with high attention to specific of the LPCXpresso pinout, which is slightly distinguishable from the classic Arduino pinout. For this we have provided additional switches which allows you to select digital I/O on the interrupt pins (INT0/INT1).

On this board beside Arduino male and mikroBUS female sockets you have also:

- 1. PROG/UART Switch for enabling or disabling UART pins
- 2. SW1/SW2 for setting INT1/INT2 to desired LPCXpresso I/O pins
- 3. PWR LED for the board POWER indication

Note: You should avoid adding Click boards with 5V logic output since this boards potentially can damage LPCXpresso base-board input pins.
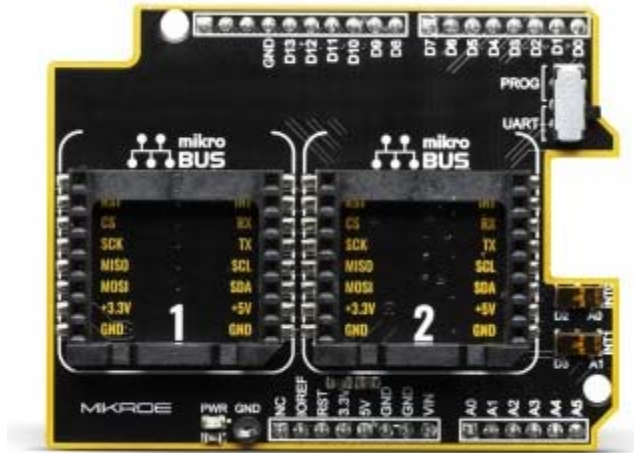
FEATHER TO MIKROBUS PINOUT

SPECIFICATION TABLE

Type	Shield,Adapter
Applications	IoT applications with LPCXpresso boards which require additional peripheral devices
On-board modules	Arduino connector for connecting compatible Arduino boards or LPCXpresso boards with slightly different pinout, power part for converting 5V USB to the 3.3V
Interface	I2C,Analog,GPIO,UART,PWM,SPI
Compatibility	Arduino,mikroBUS

GALLERY

https://www.mikroe.com/lpcxpresso-click-shield/1-28-20