

## Description

while(1)\_engineering provides a series of single and dual-channel A<sup>2</sup>B 'inline' adapters that can be used for a variety of applications. The need for interfacing to a variety of different peripherals and modular adaptability leads to a family of simple adapters which best suite the end user. By taking advantage of these inline adapters, end users can reduce system complexity and cable costs while providing an easy to use solution.

## Applications

- Application development and debug
- Cable extension
- Test racks
- Interoperability between A<sup>2</sup>B standards

## List of Inline Adapter Revisions

rev0: Single-channel pass-through Molex Dura-Click to Molex Dura-Click

rev1: Dual-channel pass-through Molex Dura-Click to Molex Dura-Click

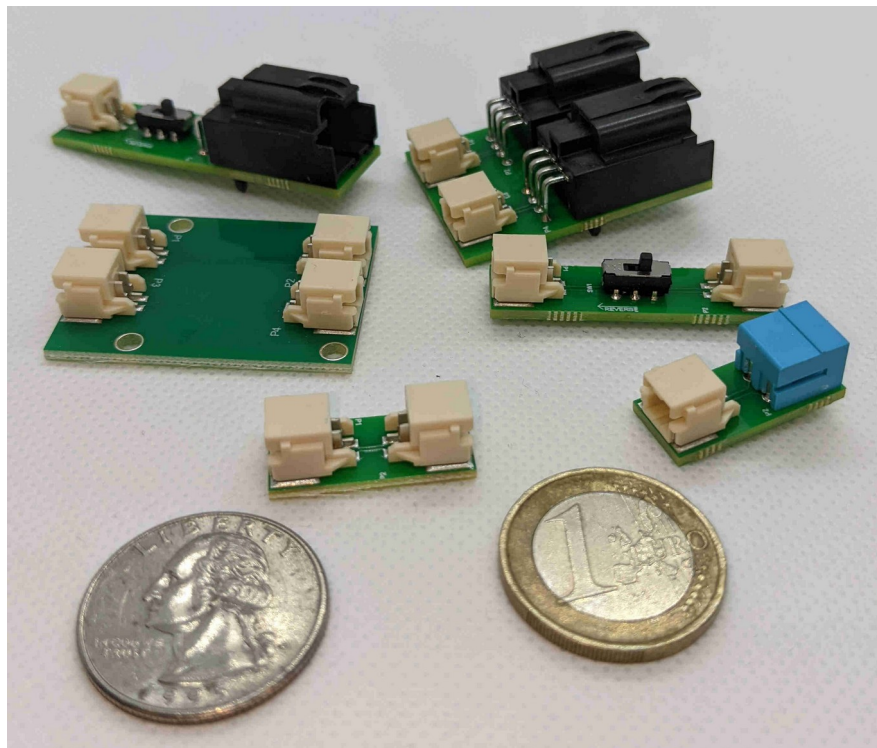
rev2: Single-channel Molex Dura-Click to Molex Dura-Click with mechanical switch for Normal or Reverse operation

rev3: Single-channel Molex Dura-Click to Molex H-DAC 64 with mechanical switch for Normal or Reverse operation

rev4: Dual-channel pass-through Molex Dura-Click to Molex H-DAC 64

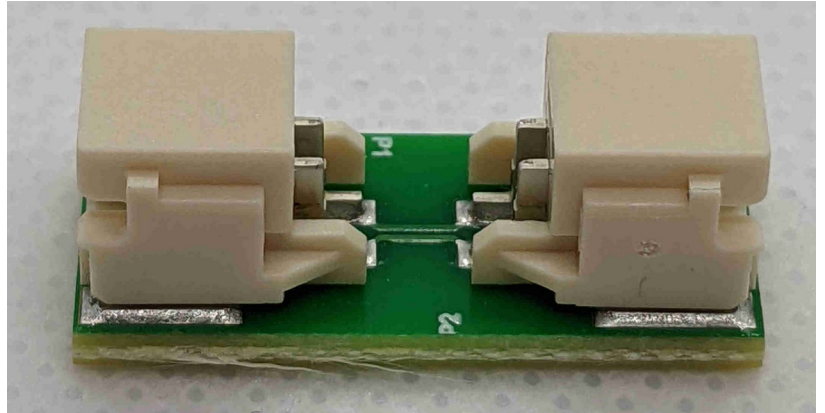
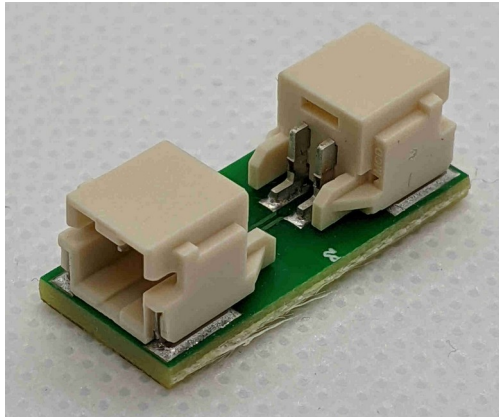
rev5: Single-channel pass-through Molex Dura-Click to CUI Devices plug-in screw terminal

*A<sup>2</sup>B is a registered trademark of Analog Devices Incorporated*



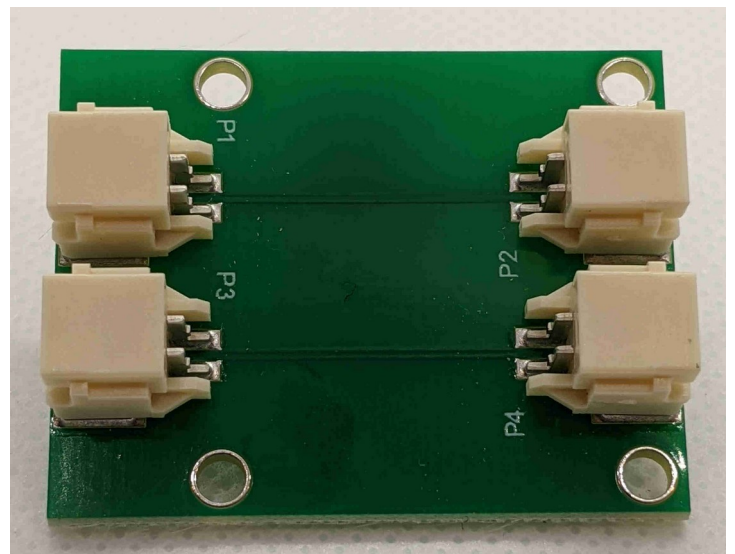
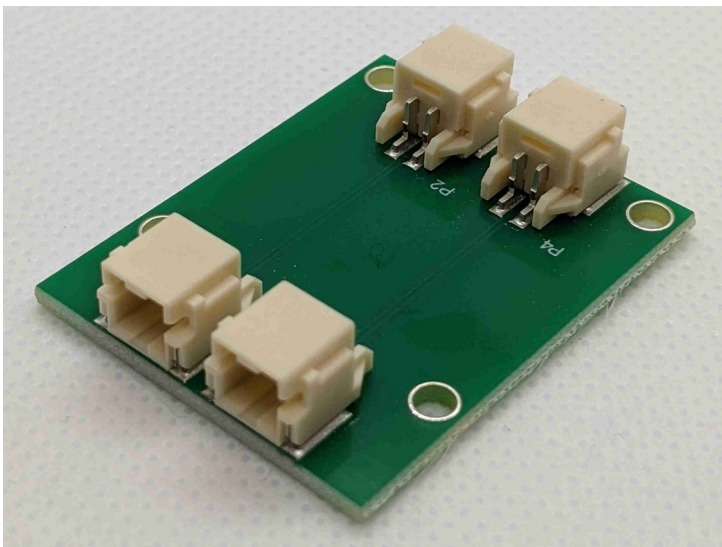
## *inline\_rev0*

- single channel pass-through design
- Molex Dura-Click to Molex Dura-Click  
Molex Dura-Click part number: 5023520200
- ultra compact and intended to be heat shrink-able
- intended for cable extension applications



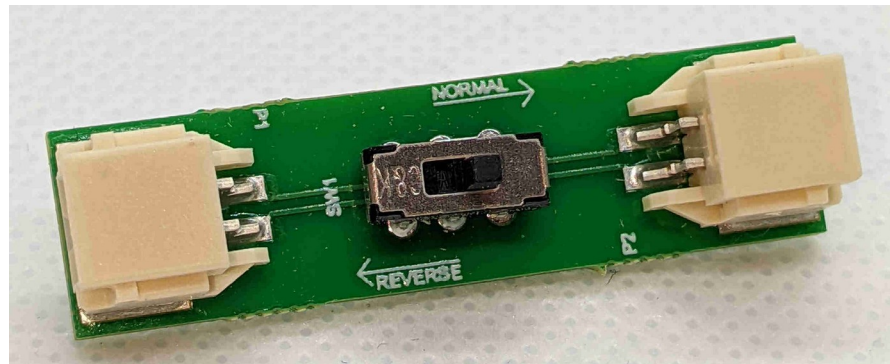
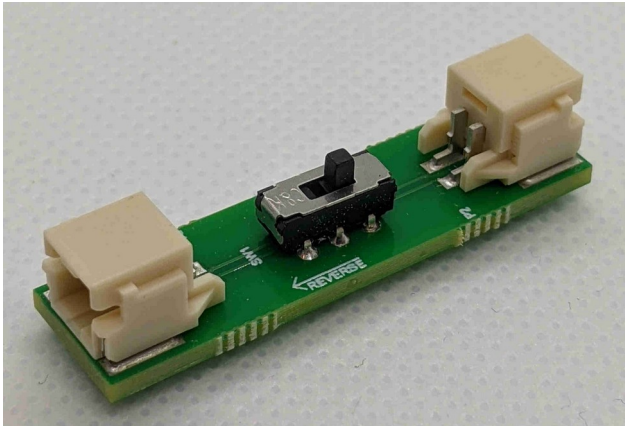
## *inline\_rev1*

- dual channel pass-through design
- Molex Dura-Click to Molex Dura-Click  
Molex Dura-Click part number: 5023520200
- same form factor and mounting holes as while(1)\_engineering's 2428\_mini
- intended for daisy-chaining nodes to A<sup>2</sup>B bus



### *inline\_rev2*

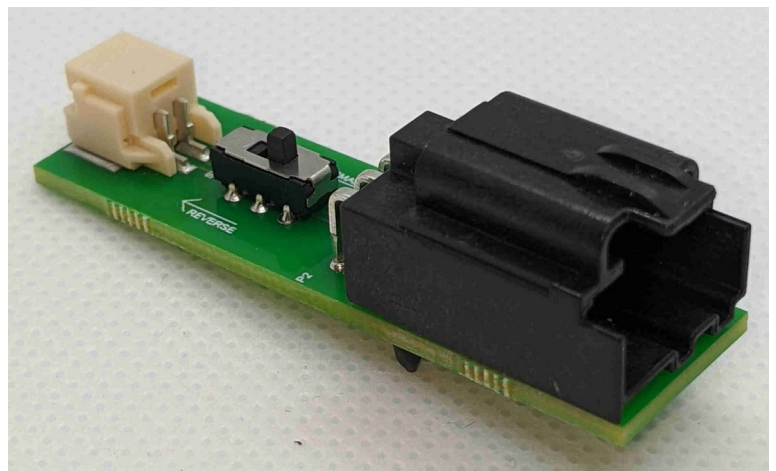
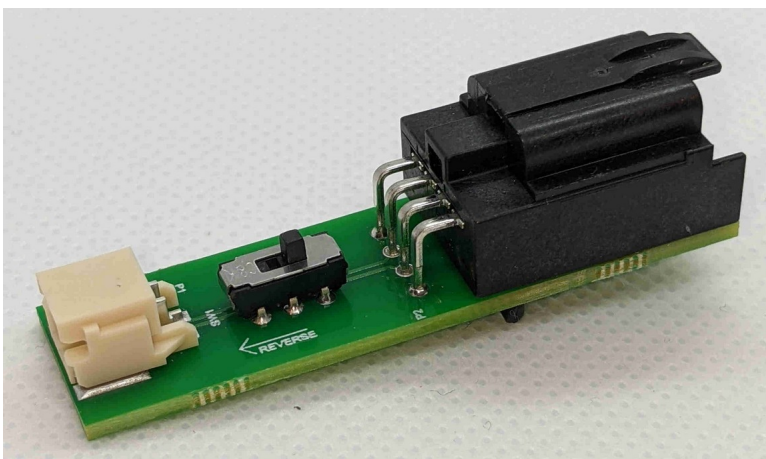
- single channel pass-through ('Normal') or criss-cross ('Reverse') operation by setting slide switch
- Molex Dura-Click to Molex Dura-Click  
Molex Dura-Click part number: 5023520200
- allows flexibility in cable pin assignment



### *inline\_rev3*

- single channel pass-through ('Normal') or criss-cross ('Reverse') operation by setting slide switch
- Molex Dura-Click to Molex H-DAC 64  
Molex Dura-Click part number: 5023520200  
Molex H-DAC 64 part number: 0311000040
- intended for inter-operability between AD242x/AD243x Low-Power and AD243x Medium-Power/AD243x High-Power applications

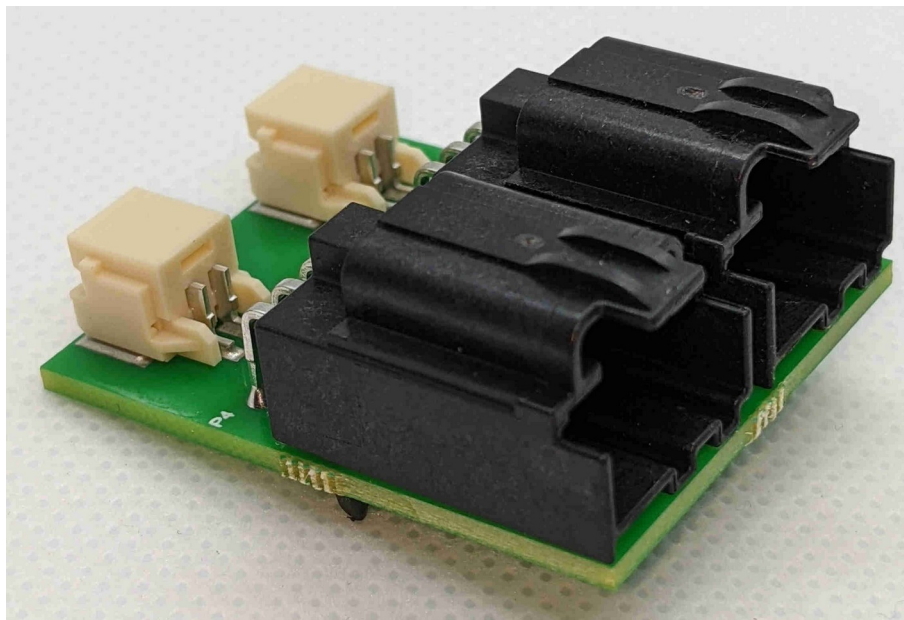
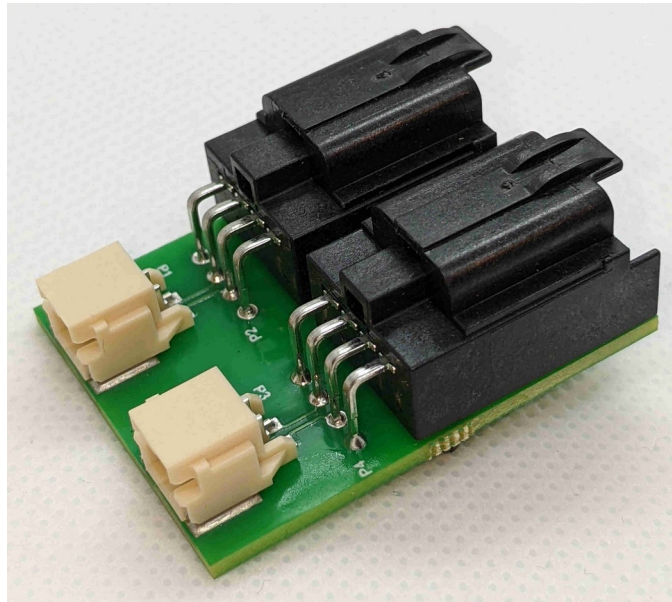
*\*Note: The Molex Dura-Click connectors are not intended for Medium or High power A<sup>2</sup>B applications. Thus, the intent of this inline is to strictly pass signal between A<sup>2</sup>B transceivers*



### *inline\_rev4*

- dual channel pass-through
- Molex Dura-Click to Molex H-DAC 64
  - Molex Dura-Click part number: 5023520200
  - Molex H-DAC 64 part number: 0311000040
- intended for inter-operability between AD242x/AD243x Low-Power and AD243x Medium-Power/AD243x High-Power applications

*\*Note: The Molex Dura-Click connectors are not intended for Medium or High power A<sup>2</sup>B applications. Thus, the intent of this inline is to strictly pass signal between A<sup>2</sup>B transceivers*



### *inline\_rev5*

- single channel pass-through
- Molex Dura-Click to CUI Devices pluggable screw terminal  
Molex Dura-Click part number: 5023520200  
Pluggable Screw-Terminal part number: TBP02R1-381-02BE
- ultra compact design
- flexibility to interface A<sup>2</sup>B bus to any wire harness

