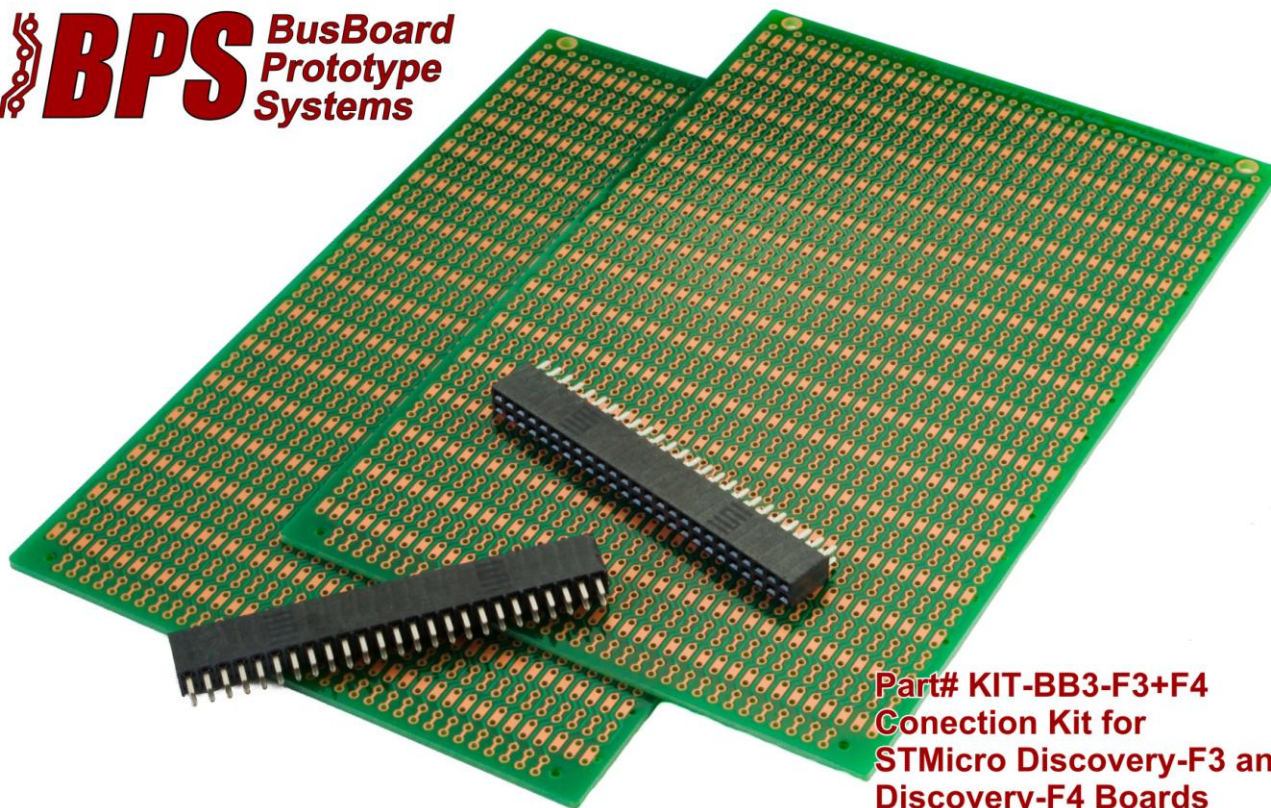


*Adapter for STMicro Discovery F3 and F4 Boards to BPS Protoboards*

 **BusBoard  
Prototype  
Systems**



**Part# KIT-BB3-F3+F4  
Conection Kit for  
STMicro Discovery-F3 and  
Discovery-F4 Boards**

**Part Number:** KIT-BB3+F3+F4

## Features

- The BusBoard zig-zag pattern gives access to both odd and even pins of the Discovery board dual row (DIL) headers the entire length of the board.
- Two 2x25 sockets and two BB3U boards provided with the kit, one for each side of the Discovery F3 or F4 module.
- BB3U BusBoard3U is a 1 sided PCB with a Zig-zag Pattern, 3.94 x 6.30 in (100 x 160 mm)
- Solder mask helps to prevent solder bridges. Etched high-quality FR4 glass-epoxy circuit board.
- 1oz/ft<sup>2</sup> copper, Anti-tarnish coating for easy soldering. Lead free and RoHS compatible.
- Each BB3U board has 38 x 62 holes, 76 separate BusBoard traces, 0.037" holes are drilled on 0.1" (2.54mm) centers.

## Details

The 50-pin dual row headers used on the STMicro Discovery-F3 and Discovery-F4 modules prevents them from being used with breadboards. It is difficult to access the inner row of pins when using stripboard or pad-per-hole prototyping boards.

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**BusBoard Prototype Systems - Built for designers**

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BPS-DAT-(KIT-BB3+F3+F4)-0001 Rev 1.10 Datasheet.doc

BusBoard makes it easy to make connections to both rows of the Discovery board 2x25 headers. The BusBoard zig-zag pattern brings out the even pins on the wide tracks and odd pins on the narrow tracks. Therefore each signal is available the entire length of the prototyping board. This makes BusBoard a very useful tool for interfacing to Discovery-F3 and Discovery-F4 modules (STM32F3DISCOVERY and STM32F4DISCOVERY).

The BusBoard-3U zig-zag circuit pattern can connect two DIL headers pin-to-pin without cutting tracks or adding wires. One can easily add a 50-pin header that is connected to the 50-pin socket. Opposite sides of the connector are on separate tracks. The wide and narrow track widths and locator holes help identify which pads are connected. The solder mask helps avoid shorts when soldering.