Features

• 1.65 V - 3.3 V voltage adapter and galvanic isolation board for STLINK-V3SET
• 2.5 kV_{rms} insulation rating; 300 V_{rms} basic insulation working voltage per IEC 62368-1:2014
• Input/output isolation and level shifters for STM32 debug SWD, SWV, and JTAG signals
• Input/output isolation and level shifters for VCP Virtual COM port (UART) signals
• Input/output isolation and level shifters for bridge (SPI/UART/I2C/CAN/GPIOs) signals
• Closed casing when using the STDC14 connector (STM32 SWD, SWV, and VCP)
• Connection compatible with the STLINK-V3SET adapter board (MB1440) for STM32 microcontrollers JTAG and bridge

Description

The B-STLINK-ISOL board is an additional module for STLINK-V3SET, performing galvanic isolation and voltage adaptation for STM32 microcontroller targets running below 3.3 V down to 1.65 V.

The module can be enclosed directly in the original STLINK-V3SET casing, when used as an STM32 debugging probe (JTAG/SWD/SWV/VCP) through the STDC14 connector. It can be also inserted between the STLINK-V3SET main board (MB1441) and its adapter board (MB1440) when providing access to bridge signals and other connectors.

B-STLINK-ISOL does not support STM8 targets, for which voltage adaptation is performed on the baseline adapter board (MB1440) provided with the STLINK-V3SET.
1 Ordering information

To order the B-STLINK-ISOL module, refer to Table 1. For details, refer to the user manual on the STLINK-V3SET product web page.

<table>
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<tr>
<th>Order code</th>
<th>Board reference</th>
<th>User manual</th>
<th>Description</th>
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<tr>
<td>B-STLINK-ISOL</td>
<td>MB1599</td>
<td>UM2448</td>
<td>Isolation and voltage adapter board for STLINK-V3SET</td>
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The STLINK-V3SET modular stand-alone debugging and programming probe embeds an STM32 32-bit microcontroller based on the Arm® Cortex®-M processor.

Note: Arm is a registered trademark of Arm Limited (or its subsidiaries) in the US and/or elsewhere.
## Revision history

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<tr>
<td>14-Jan-2021</td>
<td>1</td>
<td>Initial release.</td>
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