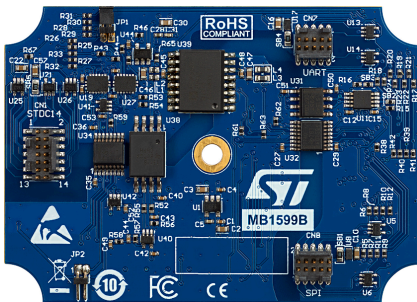


Isolation and voltage adapter board for STLINK-V3SET



B-STLINK-ISOL top view. Picture is not contractual.

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.

Product status link

[B-STLINK-ISOL](#)

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 1. Ordering information

Order code	Board reference	User manual	Description
B-STLINK-ISOL	MB1599	UM2448	Isolation and voltage adapter board for STLINK-V3SET

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

Table 2. Document revision history

Date	Version	Changes
14-Jan-2021	1	Initial release.

IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, please refer to www.st.com/trademarks. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2021 STMicroelectronics – All rights reserved

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Power Management IC Development Tools](#) category:

Click to view products by [STMicroelectronics](#) manufacturer:

Other Similar products are found below :

[EVAL-ADM1168LQEBZ](#) [EVB-EP5348UI](#) [MIC23451-AAAYFL EV](#) [MIC5281YMME EV](#) [DA9063-EVAL](#) [ADP122-3.3-EVALZ](#) [ADP130-0.8-EVALZ](#) [ADP130-1.2-EVALZ](#) [ADP130-1.5-EVALZ](#) [ADP130-1.8-EVALZ](#) [ADP1714-3.3-EVALZ](#) [ADP1715-3.3-EVALZ](#) [ADP1716-2.5-EVALZ](#) [ADP1740-1.5-EVALZ](#) [ADP1752-1.5-EVALZ](#) [ADP1828LC-EVALZ](#) [ADP1870-0.3-EVALZ](#) [ADP1871-0.6-EVALZ](#) [ADP1873-0.6-EVALZ](#) [ADP1874-0.3-EVALZ](#) [ADP1882-1.0-EVALZ](#) [ADP199CB-EVALZ](#) [ADP2102-1.25-EVALZ](#) [ADP2102-1.875EVALZ](#) [ADP2102-1.8-EVALZ](#) [ADP2102-2-EVALZ](#) [ADP2102-3-EVALZ](#) [ADP2102-4-EVALZ](#) [ADP2106-1.8-EVALZ](#) [ADP2147CB-110EVALZ](#) [AS3606-DB](#) [BQ24010EVM](#) [BQ24075TEVM](#) [BQ24155EVM](#) [BQ24157EVM-697](#) [BQ24160EVM-742](#) [BQ24296MEVM-655](#) [BQ25010EVM](#) [BQ3055EVM](#) [NCV891330PD50GEVB](#) [ISLUSBI2CKIT1Z](#) [LM2744EVAL](#) [LM2854EVAL](#) [LM3658SD-AEV/NOPB](#) [LM3658SDEV/NOPB](#) [LM3691TL-1.8EV/NOPB](#) [LM4510SDEV/NOPB](#) [LM5033SD-EVAL](#) [LP38512TS-1.8EV](#) [EVAL-ADM1186-1MBZ](#)