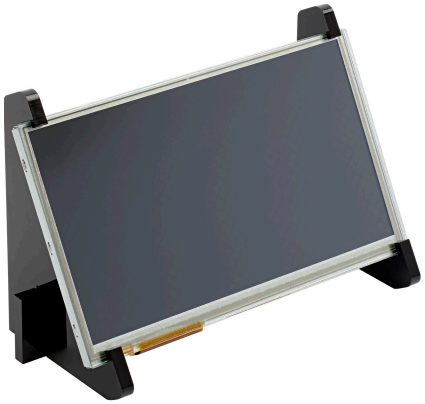
B-LVDS7-WSVGA

Data brief

7-inch WSVGA TFT LCD module with LVDS interface and capacitive touchscreen



B-LVDS7-WSVGA global view. Picture is not contractual.

Product status link
B-LVDS7-WSVGA

Features

- TFT LCD module with capacitive touch panel:
  - Display size: 7.0”
  - Format: 1024 (RGB) × 600 pixels
  - 16.7M display colors
  - Overall dimensions (W × H × D mm): 166.2 × 100.3 × 11
  - Active area (W × H mm): 154.2144 × 85.92
  - LCD type: IPS
  - Viewing direction: Super wide view
  - Interface mode: LVDS
  - Multitouch (five fingers) capacitive touch panel
  - 3.3 V power supply for LCD and touch panel, 5 V power supply for backlight

Description

The B-LVDS7-WSVGA module provides a 7.0” TFT LCD with capacitive touch panel. The interface mode is LVDS. LVDS cable and display stand are supplied.

1 Ordering information

To order the B-LVDS7-WSVGA display module, refer to Table 1. Additional information is available from the datasheet and reference manual of the target STM32.

Table 1. List of available products

Order code	Target STM32 boards
B-LVDS7-WSVGA	STM32 boards featuring a 40-pin LVDS display connector, such as STM32MP257F-EV1 Evaluation board and STM32MP257F-DK Discovery kit

The STM32 Discovery kits and Evaluation boards feature STM32 microprocessors based on the Arm® Cortex® processor.

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

1.1 Product marking

The stickers located on the top or bottom side of all PCBs provide product information:

- First sticker: product order code and product identification, generally placed on the main board featuring the target device.
  Example:

  Product order code
  Product identification

- Second sticker: board reference with revision and serial number, available on each PCB.
  Example:

  MBxxxx-Variant-yzz
  syywwxxxxx

On the first sticker, the first line provides the product order code, and the second line the product identification.

On the second sticker, the first line has the following format: *"MBxxxx-Variant-yzz"*, where *"MBxxxx"* is the board reference, *"Variant"* (optional) identifies the mounting variant when several exist, *"y"* is the PCB revision, and *"zz"* is the assembly revision, for example B01. The second line shows the board serial number used for traceability.

Parts marked as *"ES"* or *"E"* are not yet qualified and therefore not approved for use in production. ST is not responsible for any consequences resulting from such use. In no event will ST be liable for the customer using any of these engineering samples in production. ST's Quality department must be contacted prior to any decision to use these engineering samples to run a qualification activity.

"ES" or *"E"* marking examples of location:

- On the targeted STM32 that is soldered on the board (for an illustration of STM32 marking, refer to the STM32 datasheet *Package information* paragraph at the *www.st.com* website).
- Next to the evaluation tool ordering part number that is stuck, or silk-screen printed on the board.

Some boards feature a specific STM32 device version, which allows the operation of any bundled commercial stack/library available. This STM32 device shows a *"U"* marking option at the end of the standard part number and is not available for sales.

To use the same commercial stack in their applications, the developers might need to purchase a part number specific to this stack/library. The price of those part numbers includes the stack/library royalties.

1.2 Codification

The meaning of the codification is explained in Table 2.

Table 2. Codification explanation

B-XXXXX-YYYYY	Description	Example: B-LVDS7-WSVGA
B	Board kind	Accessory board
XXXXX	Board type	LVDS7: 7.0" display module with LVDS interface
YYYYY	Specific features	WSVGA: Wide super VGA resolution of 1024 × 600 pixels

Revision history

Table 3. **Document revision history**

Date	Revision	Changes
26-Jun-2024	1	Initial release.