

TFT Board Capacitive

TFT Board Capacitive is a display module featuring a capacitive touch panel. It can be connected to a development board equipped with the standardized universal display connector. TFT Board Capacitive display module is driven by the SSD1963, an integrated display driver from Solomon Systech, via the standard 8080 parallel interface. TFT Board Capacitive displays are produced in several display sizes, with more planned in the future. They all support up to 24-bit pixel format (up to 16 million colors), with good contrast ratio, and support for a multi-touch.

- **TFT Board 3** Capacitive features a 3.5" display with the resolution of 320 x 240 pixels, and an active area of 70.08 x 52.56 mm
- **TFT Board 4** Capacitive features a 4.3" display with the resolution of 480 x272 pixels, and an active area of 95.04 x 53.86 mm
- TFT Board 5 Capacitive features a 5" display with the resolution of 800 x 480 pixels, and an active area of 108 x 64.8 mm
- **TFT Board 7** Capacitive features a 7" display with the resolution of 800 x 480 pixels, and an active area of 154.08 x 85.92 mm

TFT Board Capacitive displays do not require any additional configuration. In most cases, the display module can be used as soon as it is connected to the development board, equipped with the universal display connector.



Power supply VCC		GND Ground
Touch panel I2C Clock <mark>SCL</mark>		SDA Touch Panel I2C Data
Touch panel interrupt INT	• •	GPO Display GPIO
Display reset <mark>tRST</mark>		D/C Display command/data
Display chip select <mark>CS</mark>	• •	GPO Display GPIOHOWD/C Display command/dataHOWWR Display writeHOWTE Display frame syncHOW
Display read RD		TE Display frame sync 📩
Data line <mark>DO</mark>		D1 Display frame sync
Data line <mark>D2</mark>		D3 Data line
Data line <mark>D4</mark>		D5 Data line
Data line <mark>D6</mark>		D3 Data line D5 Data line D7 Data line D9 Data line
Data line <mark>D8</mark>	* *	D9 Data line 🤷
Data line D10		D11 Data line
Data line D12	• •	D13 Data line
Data line D14		D15 Data line
Data line D16		D13 Data line D15 Data line D17 Data line D19 Data line
Data line D18		D19 Data line
Data line D20		D21 Data line
Data line D22		D23 Data line
Display stand-by STB		cRST Touch panel reset
Touch panel wake-up WK		NC Not connected
