PERVASIVE DISPLAYS

J5	1	VCC	2	GUARD2
	3	VPP	4	UART-TX
	5	TS_SDA_MCU	6	TS_SCL_MCU
	7	SPI_CLK	8	BUSY
	9	PWM / D/C	10	/RESET
	11	PANEL_ON	12	DISCHARGE
	13	BORDER_CONTROL	14	SPI_MISO
		GURAD1		
		SPI_MOSI	16	RST/SBWTDIO
		TEST/SBWTCK	18	/FLASH_CS
		/EPD_CS	20	GND

EPD Extension Kit Gen2 (EXT2)

The EXT2 board is a new generation of extension board to drive most of Pervasive Displays' e-Paper displays (EPD) including iTC and eTC driver types of EPD.
It is designed to kick-start EPD development with your microcontrollers. There are onboard headers can be bridged to any of your development kit and product. It has 20 to 40 pins socket at the rear side to stack on Texas Instruments (TI)'s LaunchPad directly.

Visit www.pervasivedisplays.com/kits/ext2_kit for more details.
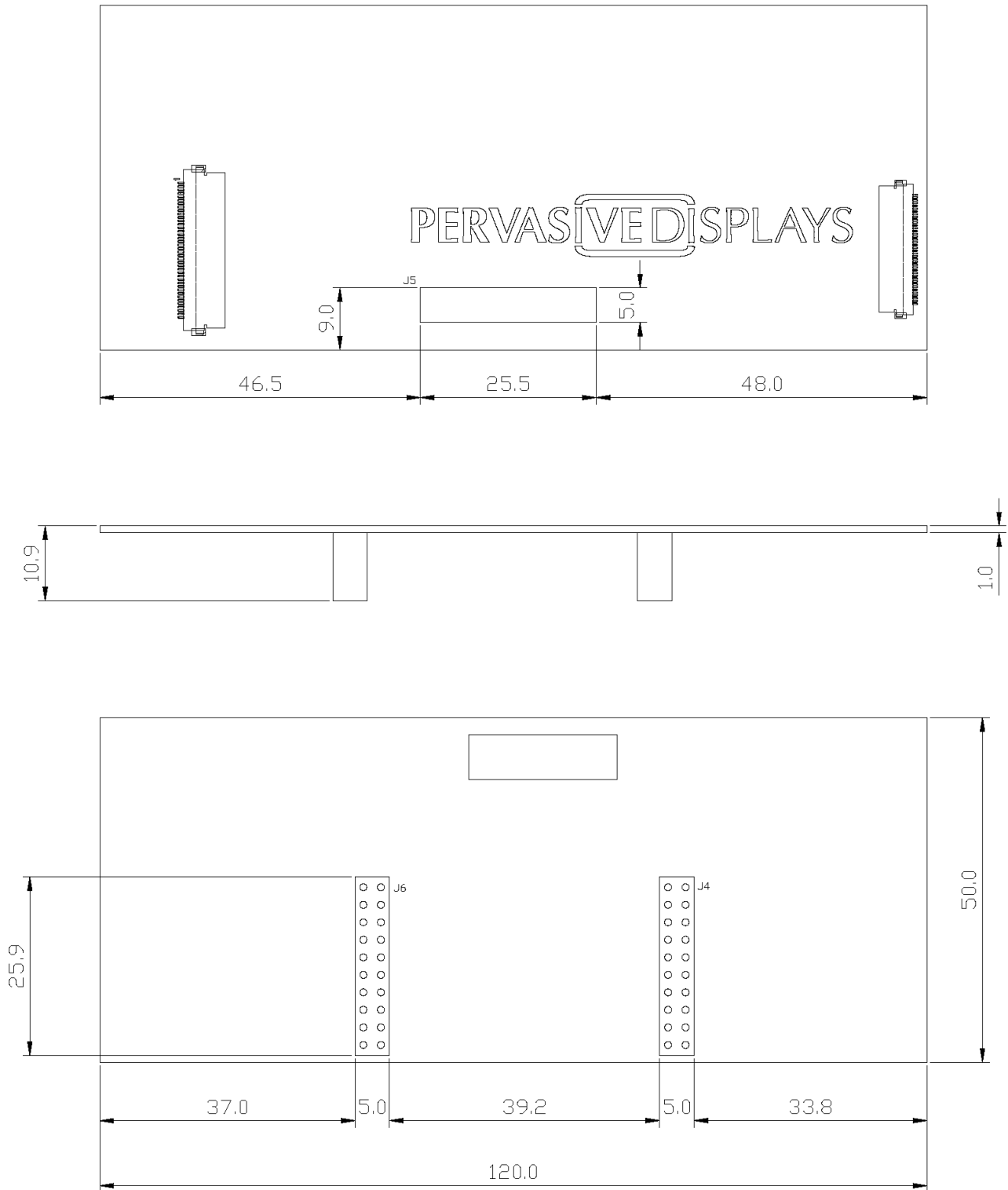
Key Features

- Support driving EPD with eTC and iTC driver IC embedded Aurora and Spectra material film
- On board driving circuit as a starter kit to easily develop EPD application with your product
- Direct socket to stack on TI LaunchPads to get various libraries and technical supports
- Open driving source code on TI Code Composer Studio™ IDE
- Free powerful utility to test and demonstration with EPD
- On board 8M bits Flash memory and temperature sensor
- Provide bridging cable and header to connect with your product and any evaluation kit
- Provide touch panel and light guide connector to support EPD integration

Kit Contents

Model Name: **B3000MS032**

EPD Extension Board Gen2 (EXT2 board) * 1 piece

90 degrees 20 pins header * 1 piece	Bridging cable * 1 piece

Pin Assignment of EXT2 header

Jumper	Pin No.	Name	Description
J4, J5	1	VCC	Target supply voltage
	2	GUARD2	TFT Breakage detection (option)
	3	VPP	Power Supply for OTP Programming
	4	UART-TX	LaunchPad default pin
	5	TS_SDA_MCU	I^2C data for external temperature sensor (GPIO)
	6	TS_SCL_MCU	I^2C clock for external temperature sensor (GPIO)
	7	SPI_CLK	Clock for SPI
	8	BUSY	COG busy pin (GPIO)
	9	D/C	Data/Command control for iTC (GPIO)
	10	/RESET	Reset signal. Low enable (GPIO)
J5, J6	11	PANEL_ON	COG driver power control pin (GPIO)
	12	DISCHARGE	EPD discharge when EPD power off (GPIO)
	13	BORDER_CONTROL (GUARD1)	Border control pin for eTC (GPIO) Breakage detection (option)
	14	SPI_MISO	Serial output from EPD to host MCU
	15	SPI_MOSI	Serial input from host MCU to EPD
	16	RST/SBWTDIO	LaunchPad default pin
	17	TEST/SBWTCK	LaunchPad default pin
	18	/FLASH_CS	On board flash chip select (GPIO)
	19	/EPD_CS	Chip Select. Low enable (GPIO)
	20	GND	Ground

PERVAS**I**VE DISPLAYS

Mechanical Drawing

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Display Development Tools *category:*

Click to view products by Pervasive *manufacturer:*

Other Similar products are found below :

KIT 60121-3 S5U13U11P00C100 KIT 60145-3 S5U13748P00C100 DFR0413 KIT95000-3 LCD-16396 PIM370 1109 MIKROE-2449 MIKROE-2453 131 DEV-13628 1590 MIKROE-2269 1601 1770 1947 1983 1987 2050 2218 2260 2345 2418 2423 2454 2455 2478 2674 FIT0477 333 334 TE-M321-SDK DFR0428 cs-epapersk-03 338 DEV-14442 FIT0478 cs-paperino-01 OM-E-OLE ALTHSMCMIPILCD ASD2421-R TDP0500T800480PCAP LCD-14048 cs-epapersk-02 2719 LCD-01 PIM113 3498