OpenMV LCD Shield.

1 Features

- ST7735R LCD controller.
- 1.8", 128x160 pixels, 16-bit color.
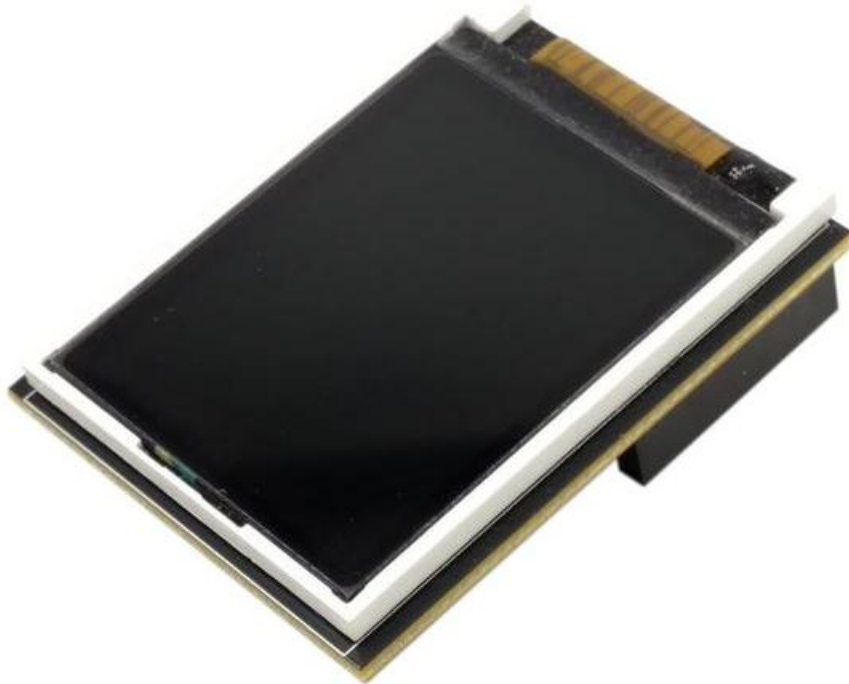- Backlight control pin.

2 Description

The LCD Shield enables OpenMV cameras to display images captured from the image sensor. It features a 1.8" 128x160 16-bpp (RGB565) TFT LCD display with a controllable backlight.

Device Information

PART NUMBER	BODY SIZE (NOM)
OPENMV-LCD-SHIELD	1.49 in × 1.87 in

3 Applications

- Video display.

.

Table of Contents

4 Pin Configurations and Functions
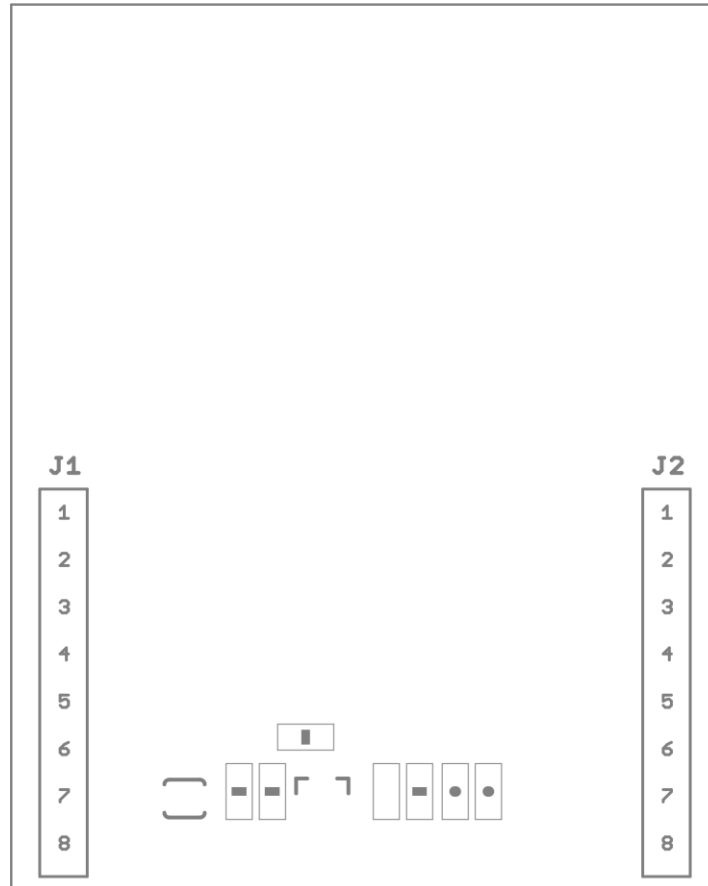
Pin Functions

Pin			Description
Header	No	Name	
J1 Pin Configuration			
J1	1	P0	SPI data in.
	2	P1	NC
	3	P2	SPI clock.
	4	P3	SPI chip select (10K pull-up)
	5	P4	NC
	6	P5	NC
	7	P6	LED control.
	8	3.3	3.3v input
J2 Pin Configuration			
J2	1	RST	NC
	2	BOOT	NC
	3	SYN	NC
	4	P9	NC
	5	P8	RS
	6	P7	RESET
	7	VIN	NC
	8	GND	GND

5 Electrical Characteristics

5.1 Recommended Operating Conditions

SYMBOL	RATINGS	MIN	MAX	UNIT
V_{IN}	External input supply voltage range.	2.8	3.3	V
T	Operating Temperature	-30	80	°C

6 Mechanical Information

The following information is the most current data available for the designated device. This data is subject to change without notice and without revision of this document.
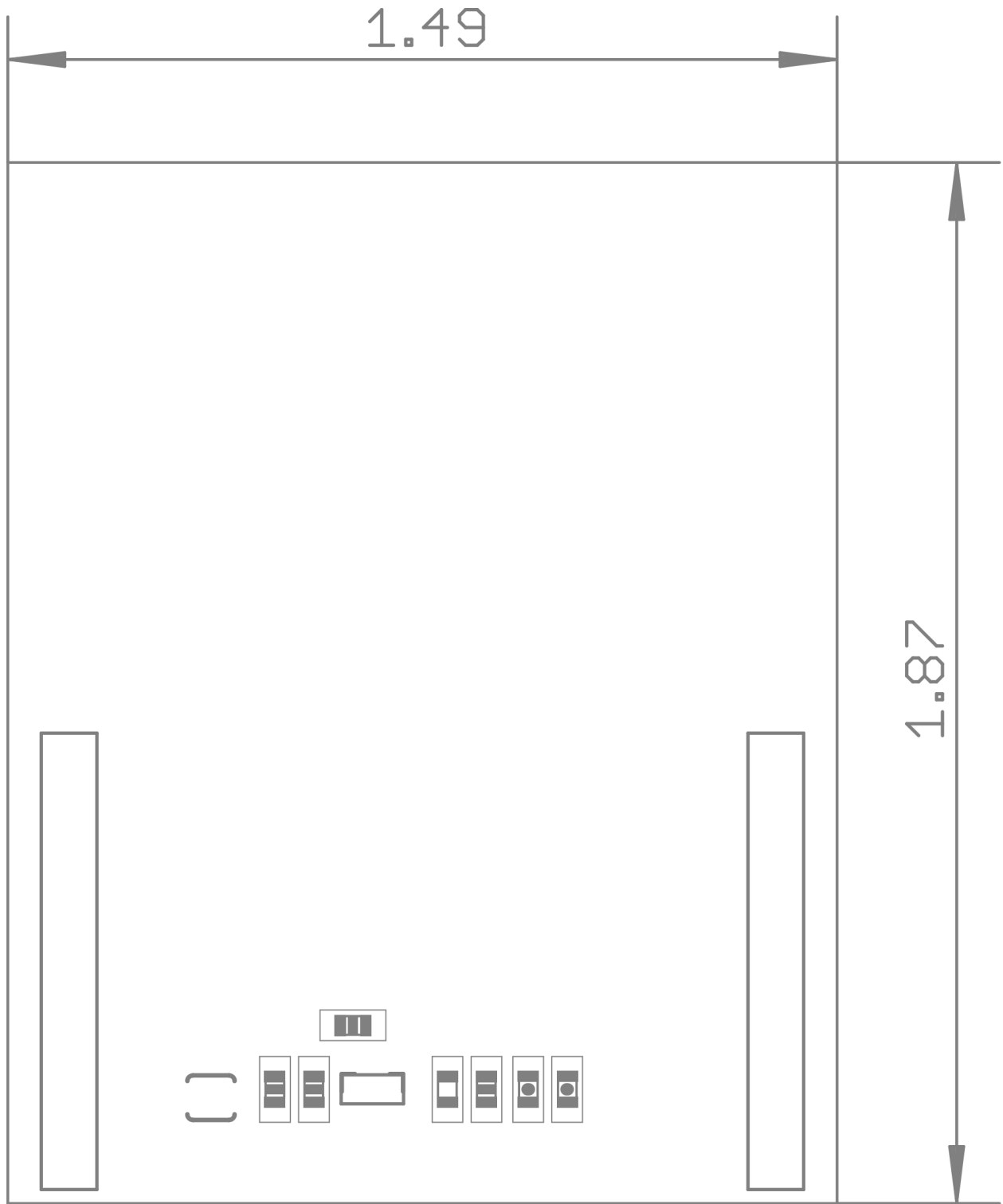
UNITS: INCHES

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 SparkFun *manufacturer:*

Other Similar products are found below :

KIT 60121-3 S5U13U11P00C100 MAX14521EEVKIT KIT 60145-3 S5U13748P00C100 DFR0413 3248 DLPLCR90EVM
MAX20069EVKIT# KIT95000-3 LCD-16396 PIM370 UNIVERSAL BREAK OUT BOARD NHD-PCB0216CZ KIT-19297 EA 9781-
2USB 1109 MCIMX-LVDS1 MIKROE-2449 MIKROE-2453 BREAK OUT BOARD 20 BREAK OUT BOARD 36 131 DEV-13628 1590
MIKROE-2269 1601 1770 1947 1983 1987 2050 2218 2219 2260 2345 2418 2423 2454 2455 2478 2674 SK-220RD-PI FIT0477 333
1774 334 TE-M321-SDK DFR0428 cs-epapersk-03