

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 x 1.87 in

3 Applications

- Video display.

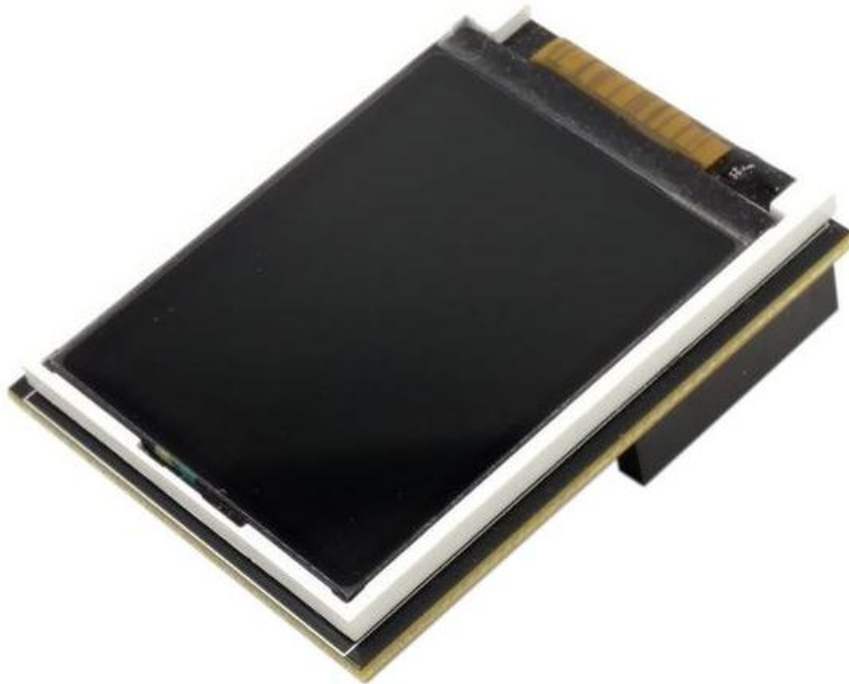
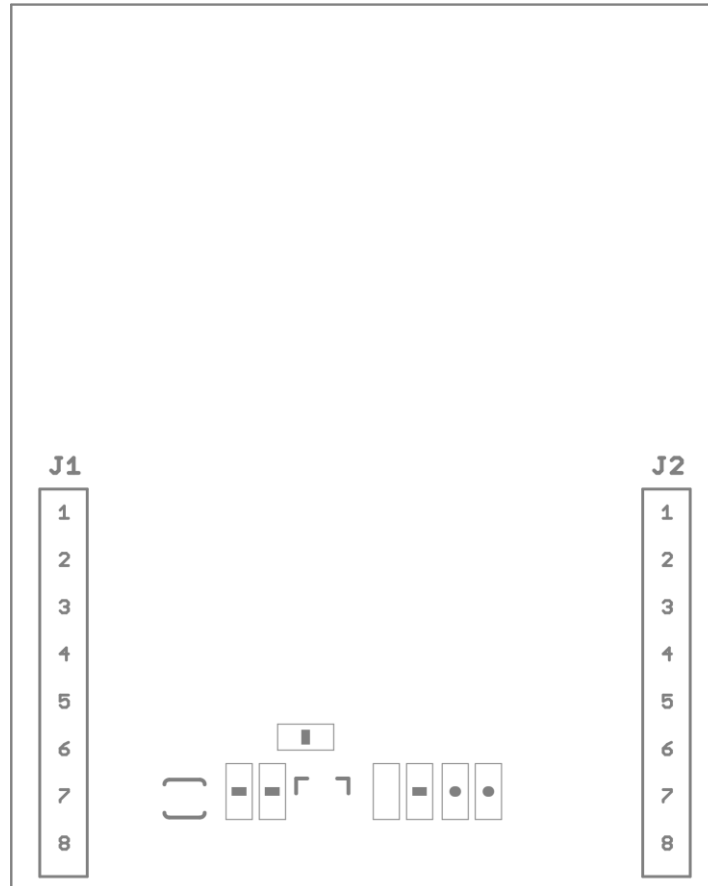


Table of Contents

1	FEATURES	1
2	DESCRIPTION	1
3	APPLICATIONS	1
4	PIN CONFIGURATIONS AND FUNCTIONS.....	3
5	ELECTRICAL CHARACTERISTICS.....	4
5.1	RECOMMENDED OPERATING CONDITIONS.....	4
6	MECHANICAL INFORMATION.....	5

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

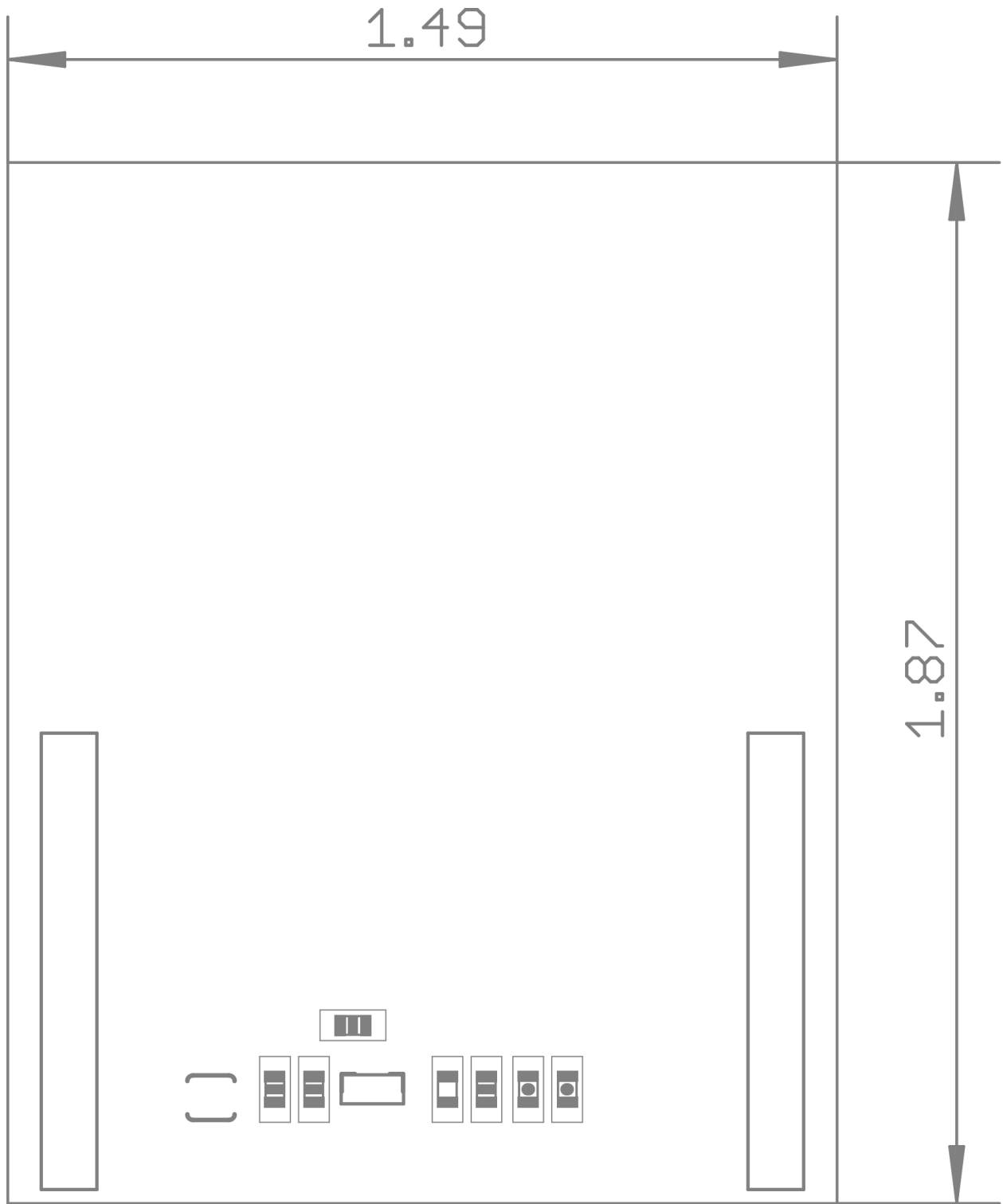
5 Electrical Characteristics

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[SparkFun Electronics:](#)

[LCD-16777](#)