

## OpenMV LCD Shield.

### 1 Features

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

### 2 Description

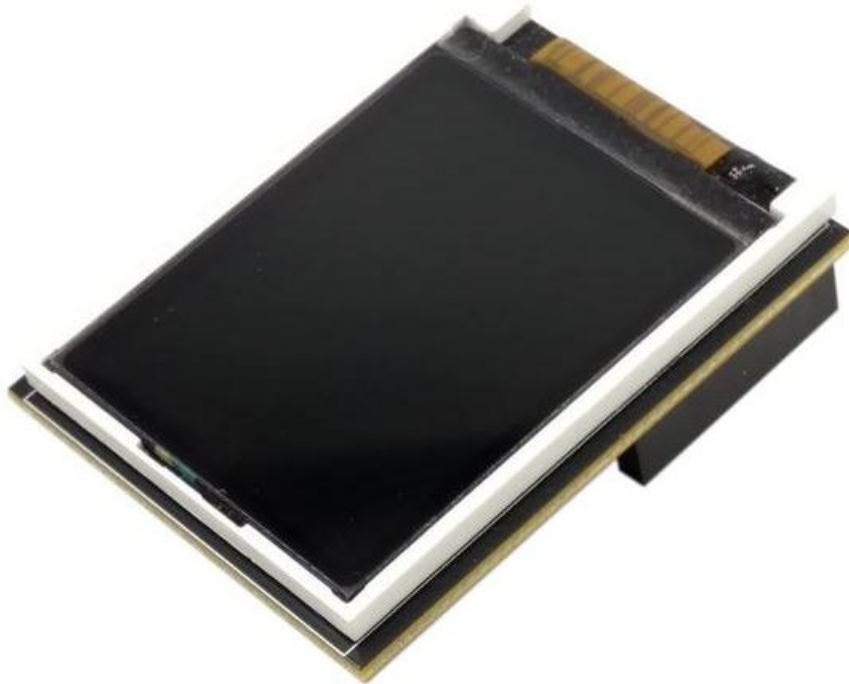
The LCD Shield enables OpenMV cameras to display images captured from the image sensor. It features a 1.8" 128x160 16-bpp (RGB565) TFT LCD display with a controllable backlight.

#### Device Information

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

### 3 Applications

- Video display.

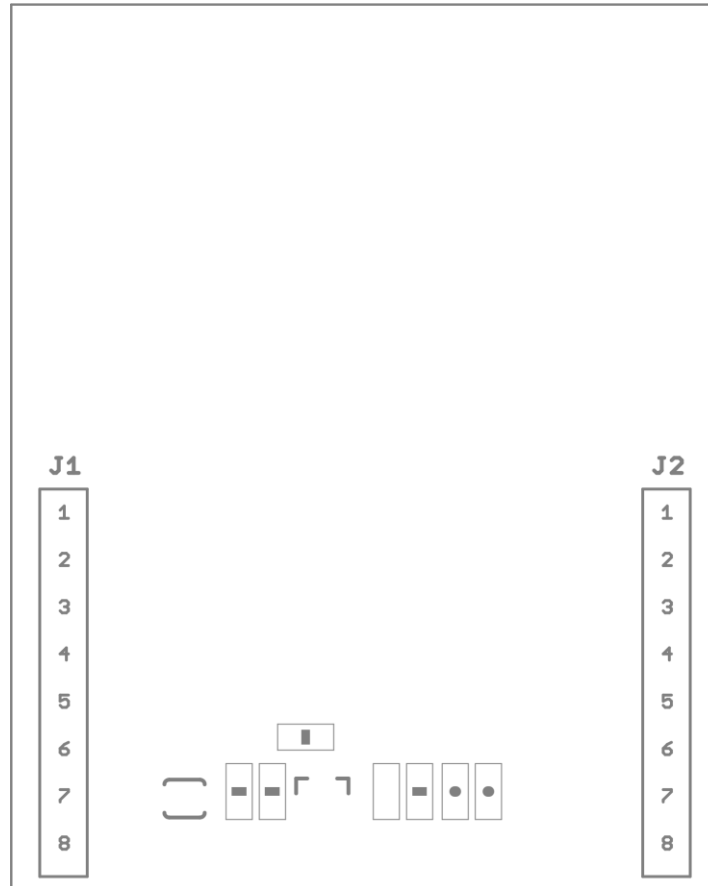


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## 4 Pin Configurations and Functions



### Pin Functions

Pin			Description
Header	No	Name	
<b>J1 Pin Configuration</b>			
<b>J1</b>	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
<b>J2 Pin Configuration</b>			
<b>J2</b>	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