

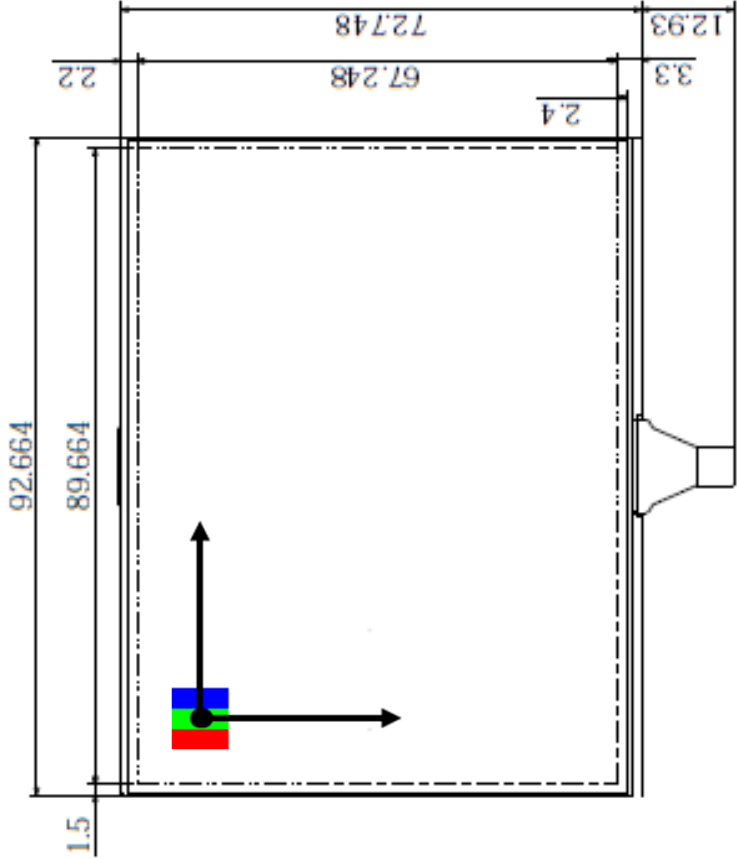
# 4.4" MIP Reflective Color LTPS TFT LCD

# LPM044M141A

As of 2017.06.20

## Features:

- Ultra low power consumption
- 8 colors, SPI I/F
- Super high reflectance (18%)
- Ultra slim & compact design



Unit: mm

## MP now

	LCD type	Spec
General	Diagonal size	ECB, Full Reflective 4.4"
	Resolution	640RGBx480
	Active area	89.664mm(H) x 67.248mm(V)
	Pixel Pitch	46.7um(H)(Ave.) x 140.1um(V)
	PPI	181.3
	Interface (Note-1)	SPI Max refresh frequency (2) Hz
Electrical	Power Supply	VLCD=3V
	Power Consumption (Note-2)	Typ. 14μW @ MIP Static Image Typ. 123μW @ MIP 1fps Image Typ. (250μW) @ MIP 2fps Image Refresh
Optical @Reflective mode	Color gamut	Typ. 23% (NTSC ratio)
	Contrast ratio	Typ.40:1
	Number of colors	8 (1bit)
	Reflectance	18%
Mechanical	Glass size	92.664mm(H) x 72.748mm(V) x 1.0mm(T)
	Module structure	LCD panel + FPC
	Module dimensions	92.664mm(H) x 72.748mm(V) x 1.39mm(D)
Feature	Feature	Memory In Pixel
Schedule	Sample	Available

Note-1: Room Temperature, 3V drive  
Note-2: Room Temperature, White Image