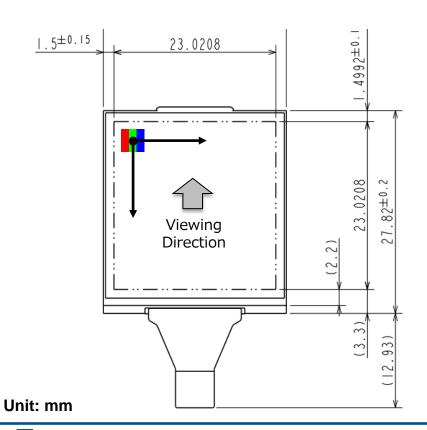
Features:

- Ultra low power consumption
- 8 colors, SPI I/F
- Super high reflectance 26%
- Ultra slim & compact design



MP now		Spec
	LCD type	ECB, Full Reflective
	Diagonal size	1.28"
	Resolution	176RGB(H) x 176(V)
General	Active area	23.0208mm(H) x 23.0208mm(V)
	Pixel Pitch	43.6um(H) x 130.8um(V)
	PPI	194ppi
Electrical	Interface (Note-1)	SPI Max refresh frequency 10Hz
	Power Supply	VLCD=3.0V VDD=3.0V
	Power Consumption (Note-2)	Typ. 2µW @ Static Image Typ. 10µW @ 1fps Image Refresh Typ. (90µW) @ 10fps Image Refresh
	Color gamut	Typ. 23% (NTSC ratio)
Ontical	Contrast ratio	Тур. 30:1
Optical	Number of colors	8 color(R, G,B 1bit)
	Reflectance	Тур. 26%
Mechanical	Glass size	26.02mm(H) x 27.82mm(V) x 0.4mm(T)
	Module structure	LCD panel + FPC
	Module dimensions	26.02mm(H) x 27.82mm(V) x 0.844mm(D)
Feature	Feature	Memory In Pixel
Schedule	Sample	Available

Note-1: Room Temperature, 3V drive

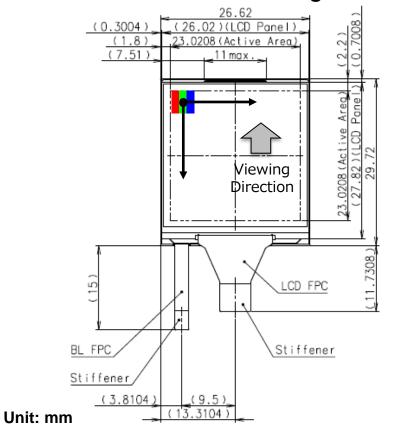
Note-2: Room Temperature, White Image

1.28" MIP Reflective Color LTPS TFT LCD with Back Light LPM013M126C

As of 2017.05.09

Features:

- Ultra low power consumption
- 8 colors, SPI I/F
- Super high reflectance 26%
- Ultra slim with Back Light



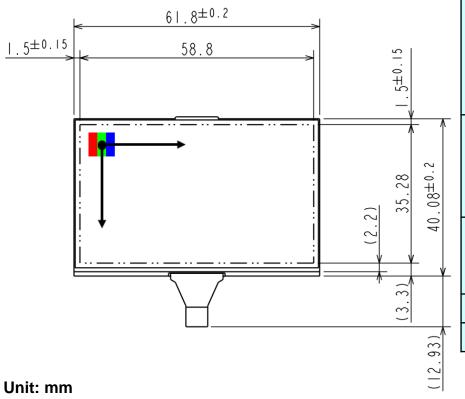
MD		
MP now		Spec
O a manual	LCD type	ECB, Full Reflective
	Diagonal size	1.28"
	Resolution	176RGB(H) x 176(V)
General	Active area	23.0208mm(H) x 23.0208mm(V)
	Pixel Pitch	43.6um(H) x 130.8um(V)
	PPI	194
	Interface	SPI
	(Note-1)	Max refresh frequency 10Hz
Electrical	Power Supply	VLCD=3.0V VDD=3.0V
	Power Consumption (Note-2)	Typ. 2μW @ Static Image Typ. 10μW @ 1fps Image Refresh Typ. (90μW) @ 10fps Image Refresh
	Color gamut	Typ. 23% (NTSC ratio)
Optical	Contrast ratio	Тур. 30:1
@Reflective mode	Number of colors	8 color(R, G,B 1bit)
	Reflectance	Тур. 26%
Mechanical	Glass size	26.02mm(H) x 27.82mm(V) x 0.4mm(T)
	Module structure	LCD panel + FPC + BL Unit
	Module dimensions	26.62mm(H) x 29.72mm(V) x 1.45mm(D)
Feature	Feature	Memory In Pixel
Schedule	Sample	Available

Note-1: Room Temperature, 3V drive

Note-2: Room Temperature, White Image

Features:

- Ultra low power consumption
- 8 colors, SPI
- Super high reflectance 19%
- Ultra slim & compact design



Sample Available		Spec
-	LCD type	ECB, Full Reflective
	Diagonal size	2.70"
	Resolution	400RGBx240
General	Active area	58.8mm(H) x 35.28mm(V)
	Pixel Pitch	49um(H) x 147um(V)
	PPI	172.8
Electrical	Interface (Note-1)	SPI Max refresh frequency (6.5) Hz
	Power Supply	VLCD=3V
	Power Consumption (Note-2)	Typ. 5μW @ MIP Static Image Typ. 30μW @MIP 1fps Image Refresh Typ. (180μW) @6.5fps Image Refresh
	Color gamut	Typ. 23% (NTSC ratio)
Optical	Contrast ratio	(Typ.40:1)
Optical	Number of colors	8 (1bit)
	Reflectance	19%
Mechanical	Glass size	61.8mm(H) x 40.08mm(V) x 1.0mm(T)
	Module structure	LCD panel + FPC
	Module dimensions	61.8mm(H) x 40.08mm(V) x (1.4)mm(D)
Feature	Feature	Memory In Pixel
Schedule	Sample	Available

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

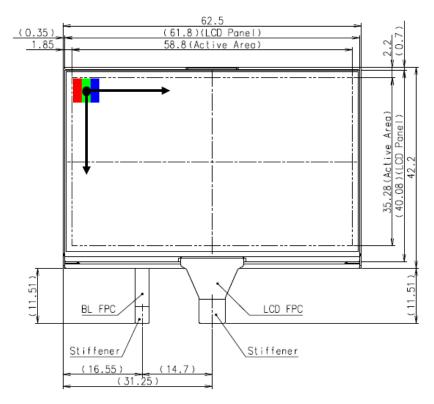
JDI Japan Display Inc. Group

2.7" MIP Reflective Color LTPS TFT LCD with Back Light LPM027M128C

s of 2017.05.10

Features:

- Ultra low power consumption
- 8 colors, SPI I/F
- Super high reflectance 19%
- Ultra slim with Back Light



A3 01 20 17.03.10		
MP now		Spec
	LCD type	ECB, Full Reflective
	Diagonal size	2.70"
General	Resolution	400RGBx240
General	Active area	58.8mm(H) x 35.28mm(V)
	Pixel Pitch	49um(H) x 147um(V)
	PPI	172.8
	Interface	SPI
	(Note-1)	Max refresh frequency (6.5) Hz
Electrical	Power Supply	VLCD=3V
Liectrical	Power Consumption (except BL) (Note-2)	Typ. 5μW @ Static Image Typ. 30μW @ 1fps Image Refresh Typ. (180μW) @ 6.5fps Image Refresh
	Color gamut	Typ. 23% (NTSC ratio)
Optical @Reflective mode	Contrast ratio	Тур.40:1
	Number of colors	8 (1bit)
	Reflectance	19%
Mechanical	Glass size	61.8mm(H) x 40.08mm(V) x 1.0mm(T)
	Module structure	LCD panel + FPC + BL Unit
	Module dimensions	62.5mm(H) x 42.2mm(V) x 2.2mm(D)
Feature	Feature	Memory In Pixel
Schedule	Sample	Available

Note-1: Room Temperature, 3V drive

Note-2: Room Temperature, White Image

Unit: mm



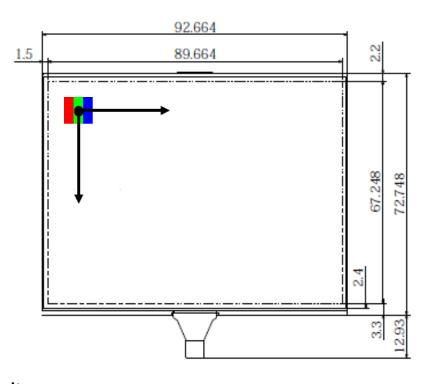
4.4" MIP Reflective Color LTPS TFT LCD

LPM044M141A

As of 2017.06.20

Features:

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



MP now		
MP now		Spec
	LCD type	ECB, Full Reflective
	Diagonal size	4.4"
General	Resolution	640RGBx480
General	Active area	89.664mm(H) x 67.248mm(V)
	Pixel Pitch	46.7um(H)(Ave.) x 140.1um(V)
	PPI	181.3
	Interface	SPI
	(Note-1)	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
	Color gamut	Typ. 23% (NTSC ratio)
Optical	Contrast ratio	Тур.40:1
@Reflective mode	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



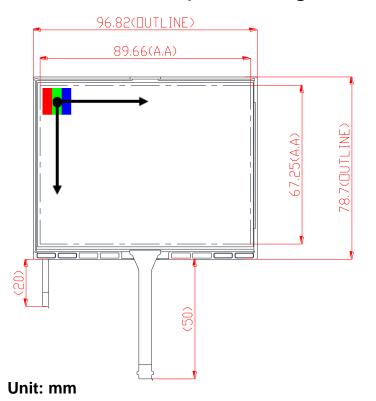
4.4" MIP Reflective Color LTPS TFT LCD with Back Light

TX11D200VM1AAA

As of 2018.02.13

Features:

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



MP now		Spec
	LCD type	ECB, Full Reflective
	Diagonal size	4.4"
General	Resolution	640RGBx480
General	Active area	89.664mm(H) x 67.248mm(V)
	Pixel Pitch	46.7um(H)(Ave.) x 140.1um(V)
	PPI	181.3
Electrical	Interface (Note-1)	SPI Max refresh frequency (2) Hz
	Power Supply	VLCD=3V
	Power Consumption (except B/L) (Note-2)	Typ. 14μW @ MIP Static Image Typ. 123μW @MIP 1fps Image Typ. (250μW) @MIP 2fps Image Refresh
	Color gamut	Typ. 23% (NTSC ratio)
Optical	Contrast ratio	Тур.40:1
@Reflective mode	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 + BL
	Module dimensions	96.82mm(H) x 78.7mm(V) x 3mm(D)
Feature	Feature	Memory In Pixel
Top/Tst		-20~70/-30~80

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

