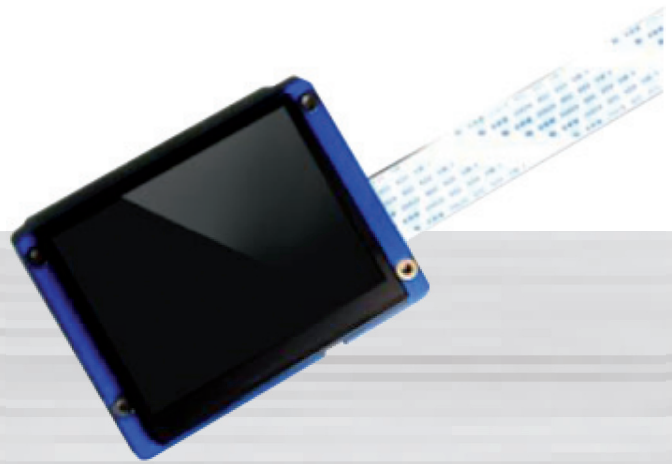


ALLNET **3,5" RGB LCD Display Module**

Das LCD Display können Sie schnell und einfach über den RGB Connector an den Banana Pi anbinden. Mit einer Auflösung von 320x240 Pixeln bietet das Display eine perfekte Auflösung und lässt sich durch das sehr geringe Gewicht flexibel und portabel einsetzen.

Artikel: 114692



Produkt Details:

LCD Größe:

3,5" (Diagonale)

Anschluss:

Parallel RGB

Auflösung:

320 x 240px

Treiber Technologie:

a-Si TFT active matrix

DOT Pitch

73 x 219 um (B/H)

Anbindung an Banana Pi:

40 Pin FOC Stecker für Display Sensor Interface (DSI)

Display:

Glanz

Farb Anordnung:

RGB

Ansicht-richtung:

6 = 0´Clock

Stromversorgung:

5V/250mA

Sichtbarer Bereich:

70,08 x 52,56mm (B/H)

Abmessungen

76,9 x 63,9 x 3,26mm (B/H/T)



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Banana Pi

3.5 inch LCD MODULE

SPECIFICATION

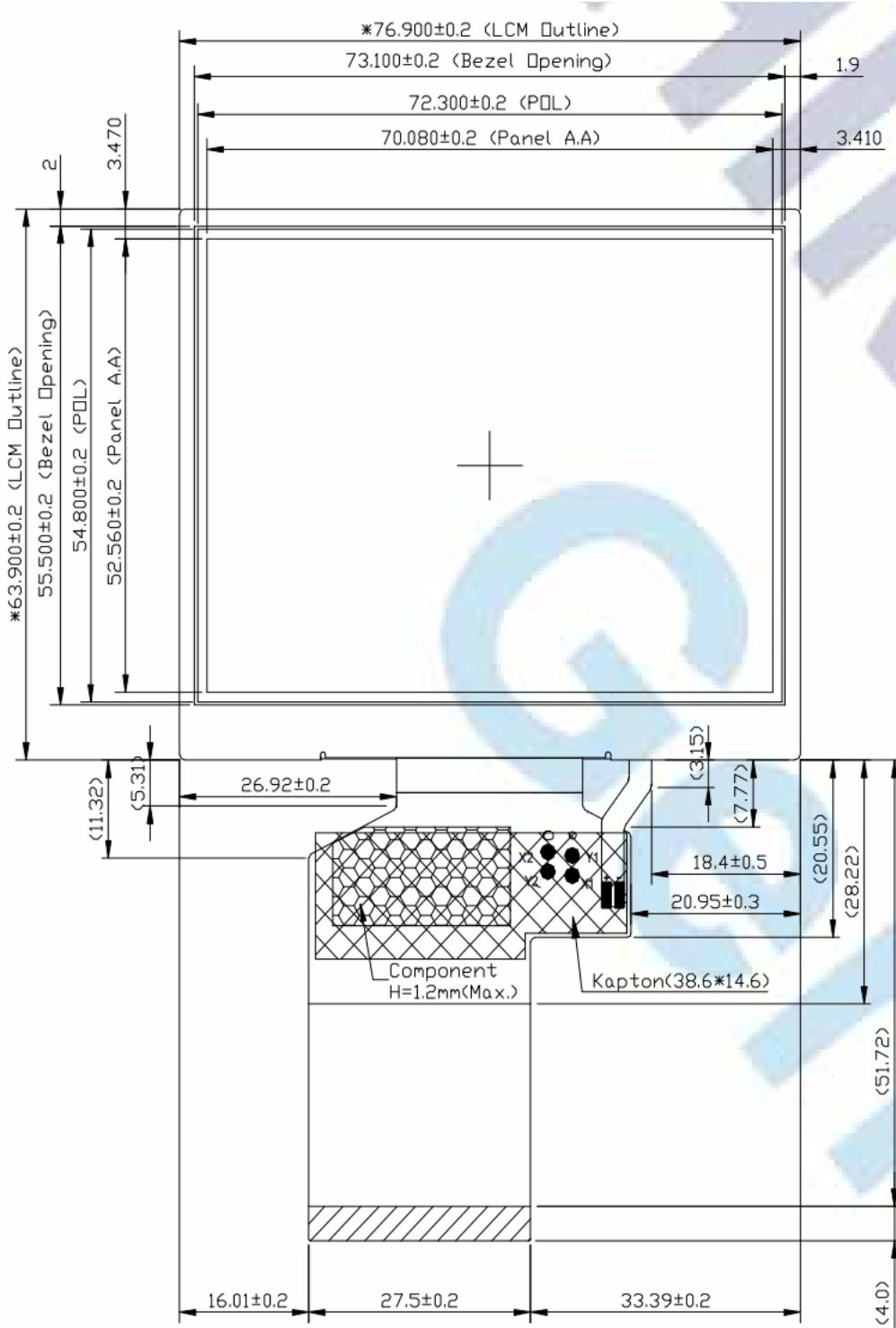
V1.0

By Tony

www.lemaker.org

1. Product Picture

2. Mechanical Drawing



3. General Specifications

➤ Electrical Specifications

Item	Specification	Remark
Power	5V(Typ.)	
Current	250mA(Typ.)	
Interface	Parallel RGB	

➤ LCD Specifications

Item	Specification	Remark
LCD size	3.5 inch(Diagonal)	
Resolution	320 × 3(RGB) × 240	
Display mode	Normally White, Transmissive	
Dot size	73x 219 um	
Active area	70.08(H) x 52.56(V)	
Module size	76.9(W) x 63.9(H) x 3.26(D)	Note 1
Surface treatment	Haze 20%	
Color arrangement	RGB-stripe	
View direction(Gray Inversion)	6 O' Clock	
Backlight power consumption	TBDW(Typ.)	
Panel power consumption	TBD	
Weight	TBD	

4. Timing Characteristics

Signal	Item	Symbol	Min	Typ	Max	Unit
Dclk	Frequency	Tosc	-	156	-	ns
	High Time	Tch	-	78	-	ns
	Low Time	Tcl	-	78	-	ns
Data	Setup Time	Tsu	12	-	-	ns
	Hold Time	Thd	12	-	-	ns
Hsync	Period	TH	-	408	-	Tosc
	Pulse Width	THS	5	30	-	Tosc
	Back-Porch	Thb	-	38	-	Tosc
	Display Period	TEP	-	320	-	Tosc
	Hsync-den time	THE	36	68	88	Tsoc
	Front-Porch	Thf	-	20	-	Tosc
Vsync	Period	Tv	-	262	-	TH
	Pulse Width	Tvs	1	3	5	TH
	Back-Porch	Tvb	-	15	-	TH
	Display Period	Tvd	-	240	-	TH
	Front-Porch	Tvf	2	4	-	TH

5. Optical Specifications

Item	Symbol	Condition	Values			Unit	Remark
			Min.	Typ.	Max.		
Viewing angle (CR≥10)	θL	Φ=180°(9 o' clock)	50	60	-	degree	
	θR	Φ=0°(3 o' clock)	50	60	-		
	θT	Φ=90°(12 o' clock)	40	50	-		
	θB	Φ=270°(6 o' clock)	45	55	-		
Response time	TON	Normal θ=Φ=0°	-	10	20	msec	
	TOFF		-	15	30	msec	
Contrast ratio	CR		300	400	-	-	
Color chromaticity	WX		0.26	0.31	0.36	-	
	WY		0.28	0.33	0.38	-	
Luminance	L		200	300	-	cd/m ²	

