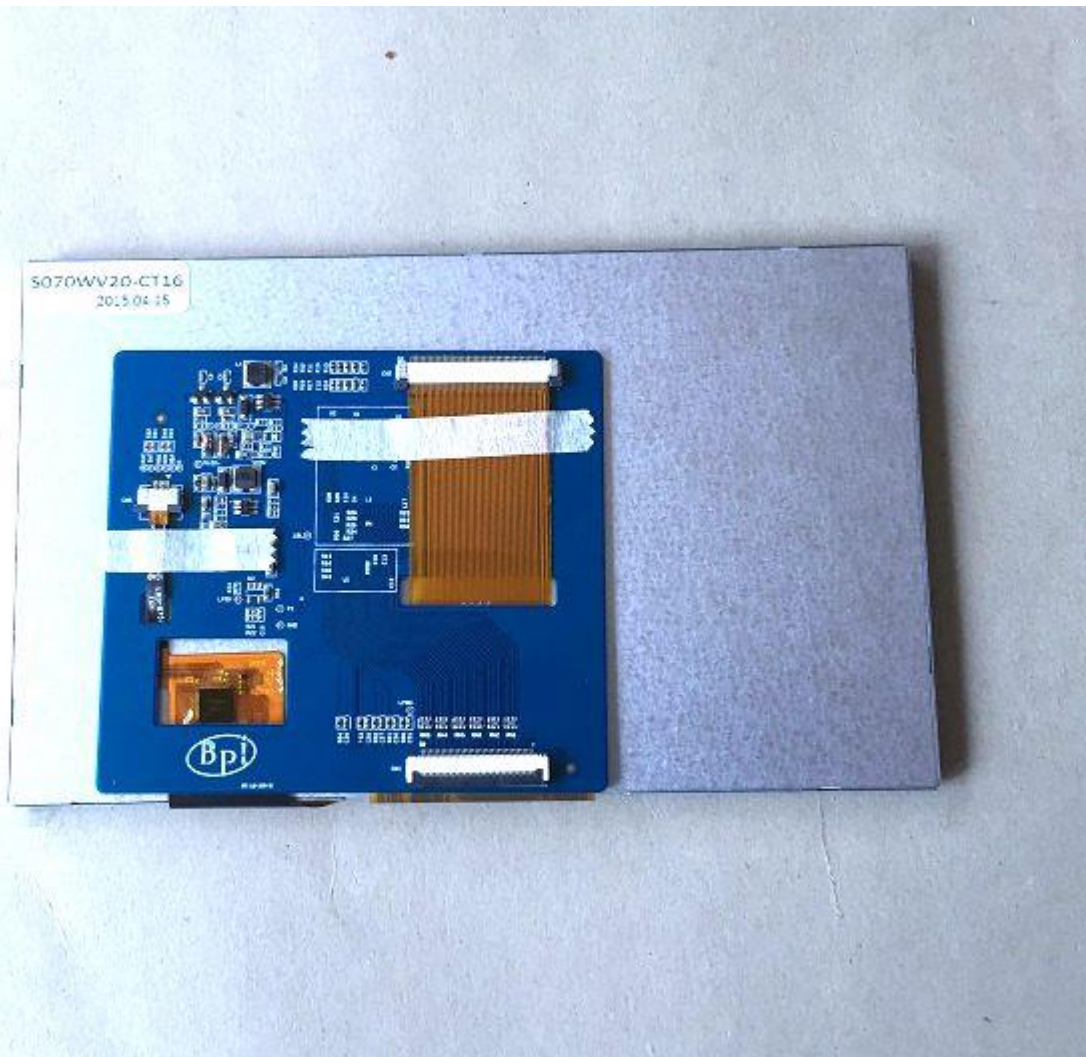


# Banana Pi 7.0 LCD touch panel module

## Product Specification :

LCD module for Banana Pi board via an conversion board to connect to the LCD connector designed specifically for interfacing to LCD.



## Specifications

TFT LCD MODULE	S070WV20-CT16
TP MODULE	FT5306
Size	7.0 inches
Resolution	800 (RGB) x 480
Interface	24-bit RGB
Connect type	Connector
Color Depth	262K
Display element	a-si
Display Spec. Pixel pitch (mm)	0.192 x 0.1805
Pixel Configuration	R.G.B. Vertical Stripe
Display Mode	Normally White
Driver IC	HX8254-D, HX8664-B
Surface Treatment	HC
Viewing Direction	6 O'clock
LCM(WxHxD) (mm)	164.9 X 100.0 X 5
Active Area(mm)	154.08 X 85.92
With / Without TSP	With CTP
Weight (g)	TBD
LED Numbers	27 LEDs

## Interface Timing

Item	Symbol	Min.	Typ.	Max.	Unit	Note
DCLK cycle time	Tcph	25			ns	
DCLK frequency	fcik		30	40	MHz	
DCLK pulse duty	Tcwh	40	50	60	%	
VSD setup time	Tvst	8			ns	
VSD hold time	Tvhd	8			ns	
HSD setup time	Thst	8			ns	
HSD hold time	Thhd	8			ns	
Data setup time	Tdsu	8			ns	
Data hold time	Tdhd	8			ns	
DE setup time	Tesu	8			ns	
DE hold time	Tehd	8			ns	
Horizontal display area	thd		800		Tcph	
HSD period time	th		928		Tcph	
HSD pulse width	thpw	1	48		Tcph	
HSD back porch	thb		40		Tcph	
HSD front porch	thfp		40		Tcph	
Vertical display area	tvd		480		th	
VSD period time	tv		525		th	
VSD pulse width	tvpw		3		th	
VSD back porch	tvb		29		th	
VSD front porch	tvfp		13		th	

## Hardware interface

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back:

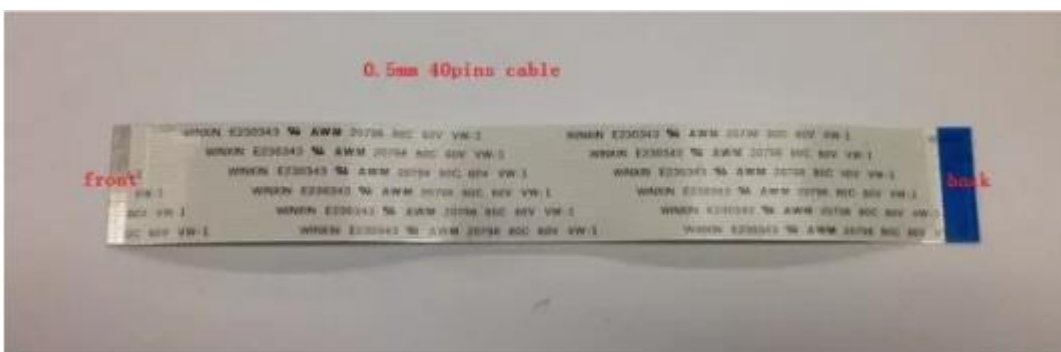


BPI touch panel support RGB interface and MIPI interface



cable line

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note:

1. if you use it on BPI-M1,BPI-M1+,BPI-M2, BPI-R1 please choose RGB interface 2. if you use it on BPI-M3,please choose MIPI interface. 3. the cable line is same for RGB or MIPI interface.