

# mTFT

## BT0xx Series

### Feature

1. Embedded SPI interface up to 30MHz
2. Embedded Video Engine (EVE) with high resolution graphics and video playback.
3. Build-in graphic operations allow users with little expertise to create display
4. Support Resistive or Capacitive Touch Panel.
5. PWM for backlight control.
6. Build in ROM character and RAM for customized fonts.
7. Power down, sleep & standby mode supported.

### Pin Assignment

Pin	Symbol	IO Voltage	Function
1	VDD	-	Power supply voltage for logic (3.3V~5.0V)
2	VSS	-	Ground
3	SCL	3.3V	SPI clock input
4	MISO	3.3V	SPI MISO output
5	MOSI	3.3V	SPI MOSI input
6	/CS	3.3V	Chip select signal, Active low
7	/PD	3.3V	Chip power down mode control input, active low
8	/INT	3.3V	Interrupt to host, active low



BT035



BT043

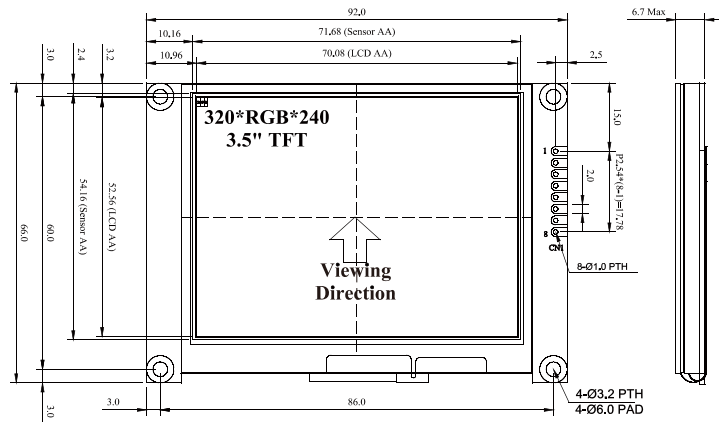


BT050

# BT035

## Electronic Characteristics

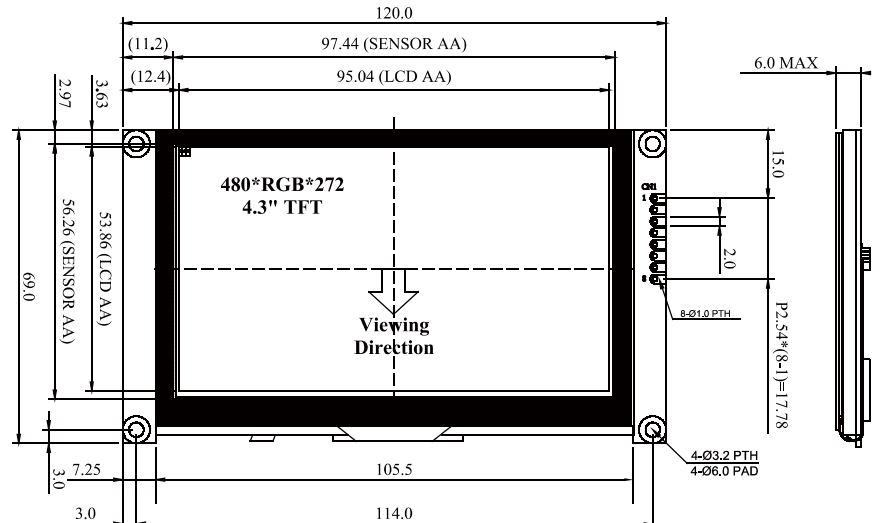
Item	Symbol	Condition	Typ	Unit
Power supply	VDD	-	5.0	V
Supply Current	IDD	VDD=5.0V	TBD	mA
LED supply current	ILED	VF=9.9V	40	mA



# BT043

## Electronic Characteristics

Item	Symbol	Condition	Typ	Unit
Power supply	VDD	-	5.0	V
Supply Current	IDD	VDD=5.0V	TBD	mA
LED supply current	ILED	VF=15V	40	mA



# BT050

## Electronic Characteristics

Item	Symbol	Condition	Typ	Unit
Power supply	VDD	-	5.0	V
Supply Current	IDD	VDD=5.0V	TBD	mA
LED supply current	ILED	VF=23.1V	40	mA

