

# PC-TFT-5PA

## Interface Board

### Features

- Used for TFT-LCD display: 5" AND-TFT-5PA
- NTSC/PAL video input switch
- Requires only +12VD input
- DC/DC/DC/AC video decoder all-in-one
- Up/Down & Left/Right display reverse
- **RoHS Compliant**

The PC-TFT-5PA is designed to work with the AND-TFT-5PA color TFT display which is suitable for security, video game, door phone, video phone, portable TV and instrument display applications..

### Mechanical Characteristics

Item	Specification	Unit
Screen Size	5.0 (diagonal)	inch
Display Format	320 x 234	dot
Active Area	102.72(H) x 74.53 (V)	mm
Dot Pitch	0.107 (W) x 0.319 (H)	mm
Pixel Configuration	Stripe	–
Outline Dimension	127.4 (W) x 92.8 (H) x 12.9 (D)	mm
Weight	160 ± 10	g
Contrast Ratio	150:1	–
View Angle	(V) +15° / -35°	deg
	(H) ± 55°	
Color	Full Color	–
Brightness	400	cd/m <sup>2</sup>

### Absolute Maximum Rating

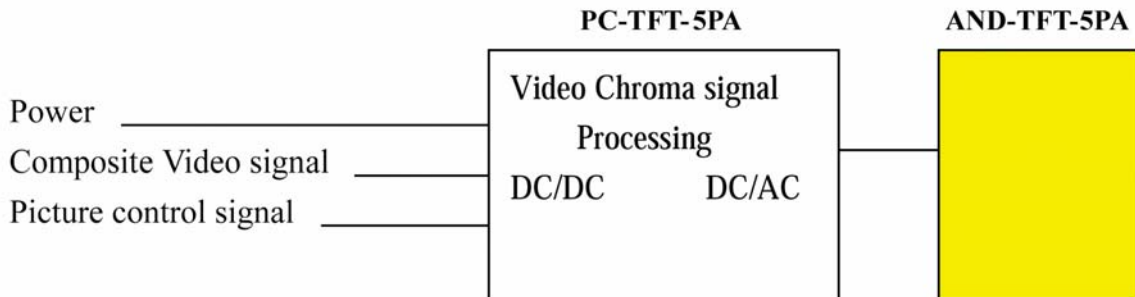
Item	Symbol	Conditions	Min.	Max.	Unit
Operating Temperature	Top	–	0	60	°C
Storage Temperature	Tstg	–	-30	80	°C

Product specifications contained herein may be changed without prior notice.  
It is therefore advisable to contact Purdy Electronics before proceeding with the design of equipment incorporating this product.

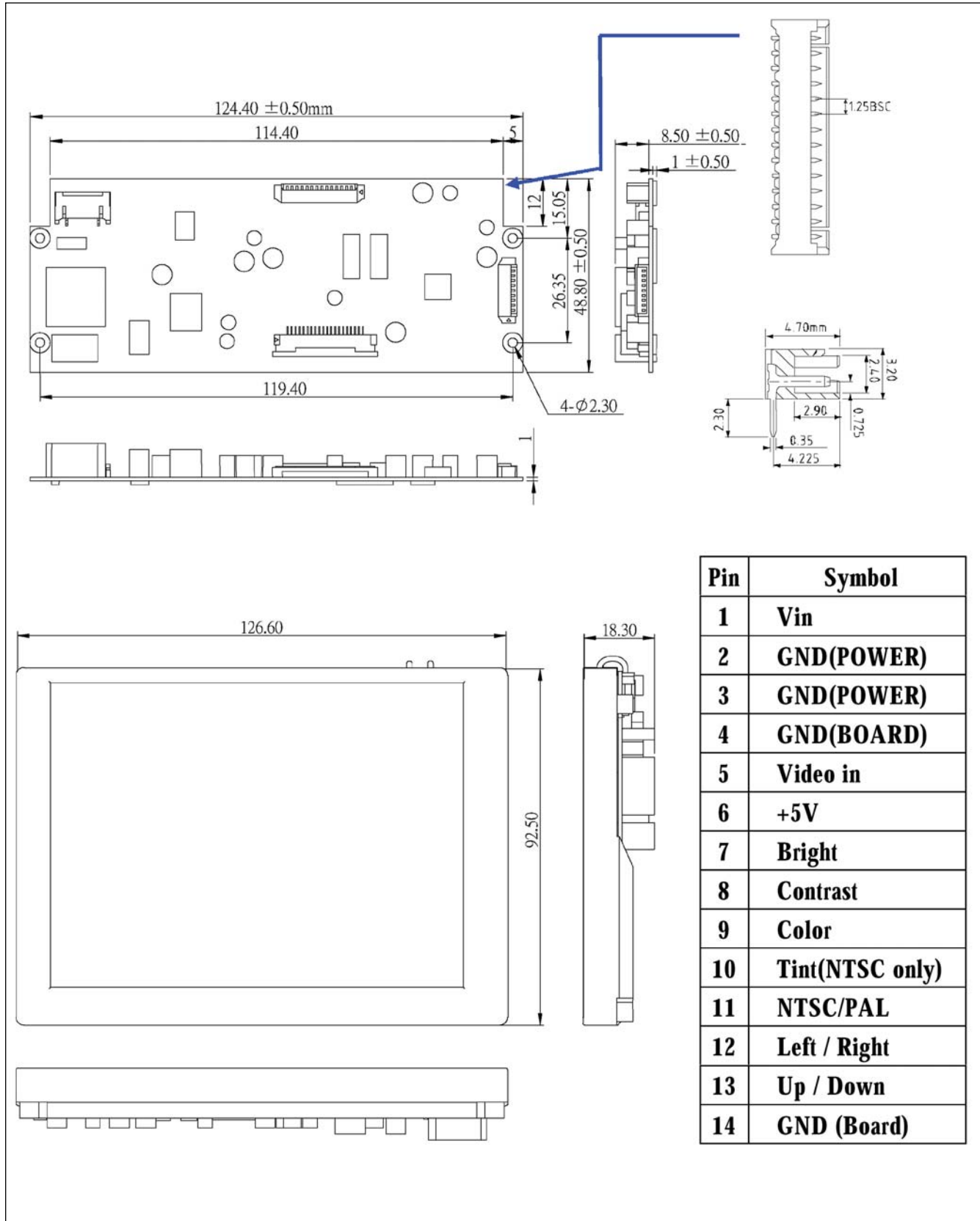
**Electronic Characteristics**

Pin No.	Symbol	Conditions	Input/Output	Min.	Typ.	Max.	Unit
5	Video	NTSC/PAL (75Ω)	Input	–	1	–	V
1	Vin	DC (+)	Input	10	12	14	V
	Iin			–	380	–	mA
	Pin	DC (+12V)		–	4.56	–	W
6	Vo	DC (+)	Output	–	5	–	V
	Io			–	2	–	mA
7	Bright	DC (+)	Input	1.6	2.2	2.5	V
8	Contrast I	DC (+)	Input	1.6	1.8	2.5	V
9	Color	DC (+)	Input	0.6	1.4	1.8	V
10	Tint	DC (+) NTSC only	Input	1.4	1.9	2.4	V
11	NTSC/PAL	(Option)	Input	–	TTL	–	
12	Left/Right		Input	–	TTL	–	
13	Up/Down		Input	–	TTL	–	
–	–	Operating Temperature	–	0	–	60	°C

**Block Diagram**



**Dimensional Outline**



Pin	Symbol
1	<b>Vin</b>
2	<b>GND(POWER)</b>
3	<b>GND(POWER)</b>
4	<b>GND(BOARD)</b>
5	<b>Video in</b>
6	<b>+5V</b>
7	<b>Bright</b>
8	<b>Contrast</b>
9	<b>Color</b>
10	<b>Tint(NTSC only)</b>
11	<b>NTSC/PAL</b>
12	<b>Left / Right</b>
13	<b>Up / Down</b>
14	<b>GND (Board)</b>