



## PC-TFT-62PA

### Interface Board

#### Features

- Used for TFT-LCD display: 6.2" AND-TFT-62PA
- Ultra Compact
- Video input compatible with PAL/NTSC or separate video signal
- Requires only +12VD input
- Operating Temp: 0°C ~ 60°C
- Storage Temp: -20°C ~ 80°C

The PC-TFT-62PA is designed to work with the AND-TFT-62PA 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	6.2 (diagonal)	inch
Display Format	1440 x 234	dot
Dot Pitch	0.114 (W) x 0.33 (H)	mm
Pixel Configuration	Stripe	—
Outline Dimension	110.0 (W) x 80.0 (H) x 8.1 (D)	mm
Weight	235 ± 10	g
Top Layer High (Max)	6.5	mm
View Angle	(V) +40° / -55°	deg
	(H) ± 60°	
Board Thickness	1.6	mm

#### Absolute Maximum Rating

Item	Symbol	Conditions	Min.	Max.	Unit
Operating Temperature	Top	—	0	60	°C
Storage Temperature	Tstg	—	-20	80	°C

Roh compliance expected January 2006

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.

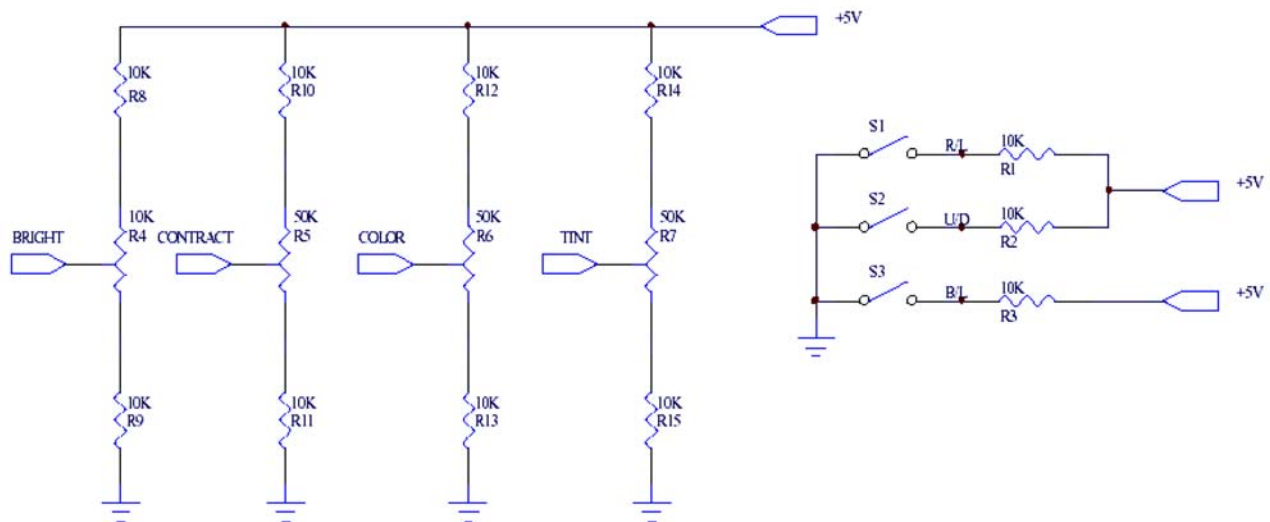


## PC-TFT-62PA

### Electronic Characteristics (CN1)

Pin No.	Symbol	Conditions	Input/ Output	Min.	Typ.	Max.	Unit
5	Video	PAL or NTSC	Input	—	1	—	V
1	Vin	DC (+)	Input	10	12	14	V
	Iin	DC (+12V)		—	500	—	mA
	Pin			—	6.0	—	W
6	Vo	DC (+)	Output	—	5	—	V
	Io			—	20	—	mA
7	Bright(RGB)	DC (+)	Input	1.5	1.66	2.0	V
8	Contrast	DC (+)	Input	1.8	2.3	2.8	V
9	Color	DC (+)	Input	2.8	3.2	3.6	V
10	Tint	DC (+) NTSC only	Input	3.0	3.15	3.3	V

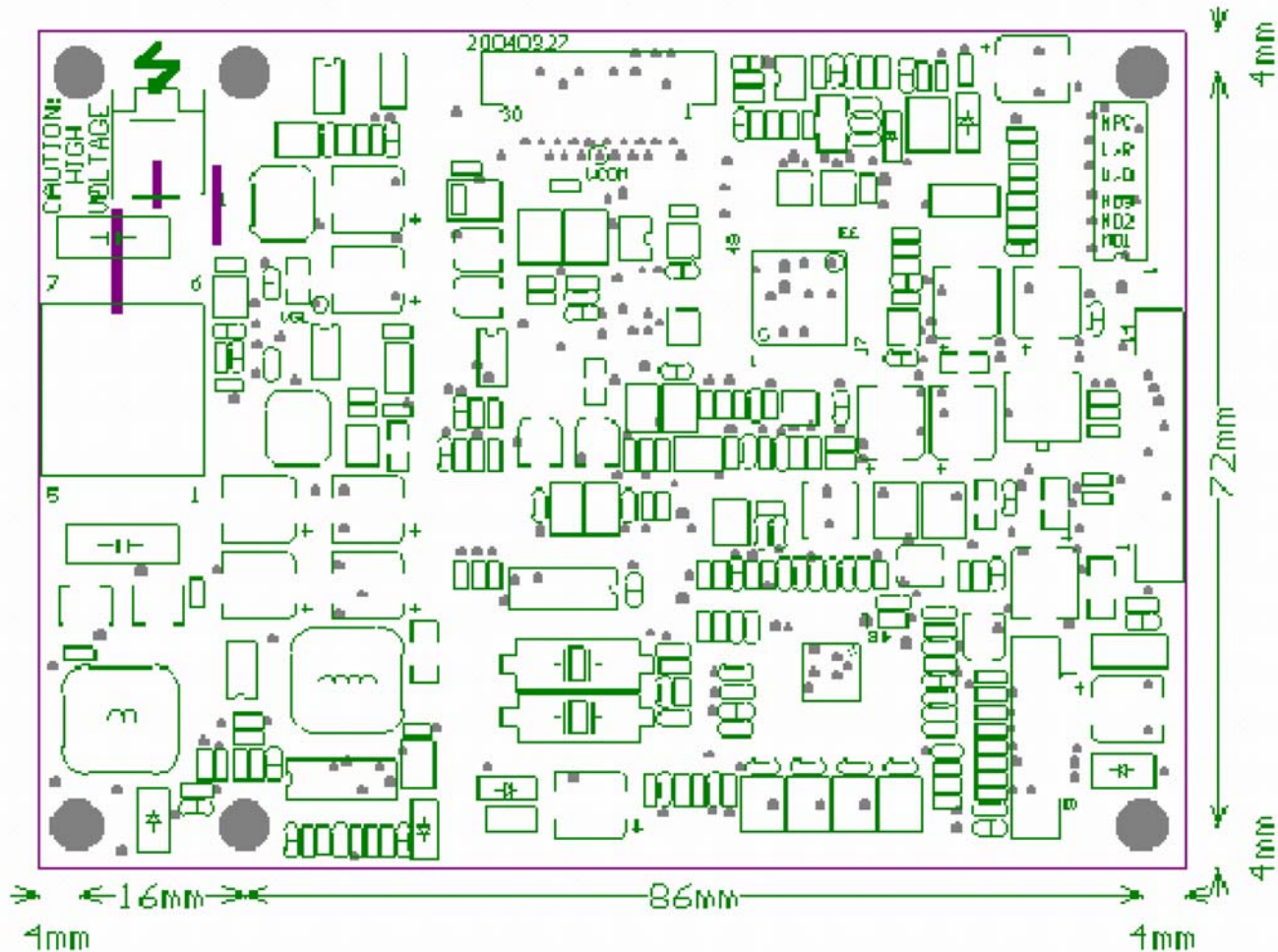
### Application Schematic Diagrams



\* The interface board supply power to the +5V pin of the J2  
You just supply DC12V voltage to the interface board'

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# Dimensional Outline



## Board Dimensions

Item	Specification	Unit
Outline Dimension	110.0 (W) x 80.0 (H) x 8.1 (D)	mm
Top Layer High (Max)	6.5	mm
Board Thickness	1.6	mm

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**Input Terminal Ports: Connects to External Input Signal (CN1) Molex 53398-1410**

Pin	Symbol	Input/Output	Pin Description
1	Vin	Input	+12V power input
2	GND (Power)	Input	Power ground
3	GND (Power)	Input	Power ground
4	GND (Power)	Input	Video signal ground
5	Video in	Input	Composite video signal input
6	+5V	Output	For pin 7/8/9/10 control purpose
7	Brightness	Input	Brightness control voltage input
8	Contrast	Input	Contrast control voltage input
9	Color	Input	Color control voltage input
10	Tint	Input	Tint control voltage input
11	N.C.	NC	No connection
12	R/L <sup>1</sup>	Input	Picture left/right inverse control
13	U/D <sup>2</sup>	Input	Picture up/down inverse control
14	Dimmer	Input	Dimmer (Default low)

Note 1 R/L = Hi (+5V) for shift right, Low (GND) for shift left.

Note 2 U/D = Hi (+5V) for down, Low (GND) for up.

**Connects to External Input Signal (CN2) Molex 53398-0910**

Pin	Symbol	Input/Output	Pin Description
1	Rin	Input	Rin
2	Gin	Input	Gin
3	Bin	Input	Bin
4	SW <sup>3</sup>	Input	Switch (Video R. G. B Select)
5	SYNC in	Input	SYNC in
6	SYNC out	Output	SYNC out
7	/HSYNC out	Output	/HSYNC out
8	?VSYBC out	Output	/VSYNC out
9	GND	Input	Ground

Note 3 Video = Low, Hight (+5V) for R. G. B. input.

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