PC-TFT-8PA

Interface Board

Features
- Used for TFT-LCD display: 8" AND-TFT-8PA
- NTSC/PAL video input switch
- Requires +12V DC input
- Up/Down & Left/Right display reverse
- **RoHS Compliant**

The PC-TFT-8PA is designed to work with the AND-TFT-8PA 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	8.0 (diagonal)	inch
Outline	120.0 (W) x 80.0 (H) x 12.0 (D)	mm
Pixel Configuration	Stripe	–
Top Layer High (Max)	8.5	mm
Board Thickness	1.2	mm

Absolute Maximum Rating

Item	Symbol	Conditions	Min.	Max.	Unit
Operating Temperature	Top	–	-20	60	°C
Storage Temperature	Tstg	–	-30	80	°C

Input Terminal Ports (Connects to External Input Signal - CN1 - MOLEX 53398-1410 or Compatible)

No.	Pin Name	I/O	Pin Description	No.	Pin Name	I/O	Pin Description
1	Vin	I	+12V Power input	8	Contrast	I	Contrast control voltage input
2	GND	I	Power ground	9	Color	I	Color control voltage input
3	GND	I	Power ground	10	Tint	I	Tint control voltage input
4	GND	I	Video signal ground	11	N.C.	NC	No Connection
5	Video	I	Composit video signal input	12	R/L	I	Picture left/right inverse control*
6	+5V	O	For pin 7/8/9/10 control purpose	13	U/D	I	Picture up/down inverse control**
7	Brightness	I	Brightness control voltage input	14	Dimmer	I	Dimmer (default low)

*R/L = Hi (+5V) for shift right, Low (GND) for shift left
**U/D = Hi (=5V) for down, Low (GND) for up

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.

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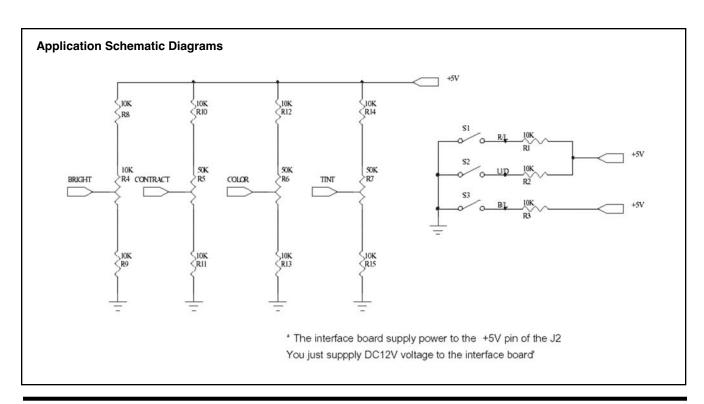***www.purdyelectronics.com***

Input Terminal Ports (Connects to External Input Signal - CN2 - MOLEX 53398-0910 or Compatible)

No.	Pin Name	I/O	Pin Description
1	Rin	I	Rin
2	Gin	I	Gin
3	Bin	I	Bin
4	SW	I	Switch (Video / R.G.B. Select)*
5	SYNC in	I	SYNC in
6	SYNC out	O	SYNC out
7	/HSYNC out	O	/HSYNC out
8	/VSYNC out	O	/VSYNC out
9	GND	I	Ground

*Video = Low, High (+5V) for R.G.B. input.

Electronic Characteristics (CN1)

Symbol	Conditions	Input/Output	Min.	Typ.	Max.	Unit
Video	NTSC/PAL	Input	–	1	–	V
Vin	DC (+)	Input	10	12	14	V
Iin	DC (+12V)		–	500	–	mA
Pin			–	6.0	–	W
Vo	DC (+)	Output	–	5	–	V
Io			–	20	–	mA
Bright (RGB)	DC (+)	Input	2.1	2.3	2..5	V
Contrast	DC (+)	Input	2.1	2.3	2.5	V
Color	DC (+)	Input	1.3	1.5	1.7	V
Tint	DC (+)	Input	1.7	1.8	1.9	V

Application Schematic Diagrams

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

Driver Board Outline Drawing