



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 ² |

Absolute Maximum Rating

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

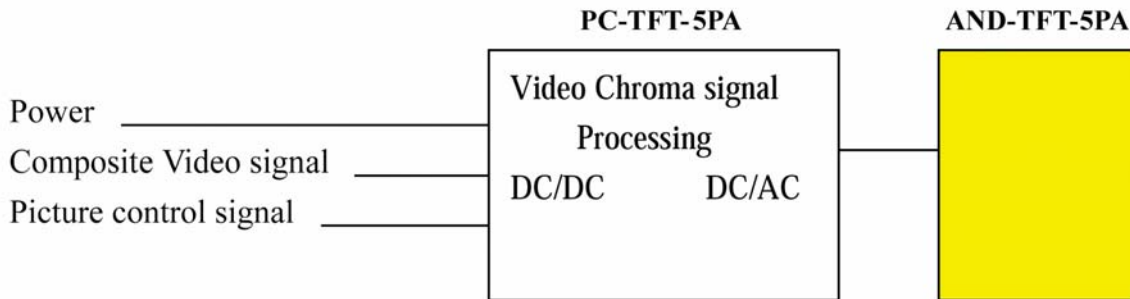
Product specifications contained herein may be changed without prior notice.
It is therefore advisable to contact Purdy Electronics before proceeding with the design of equipment incorporating this product.



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

