

PTAC2

PROGRAMMABLE DISPLAY - DVI-I & RS170 INPUTS

Highly ruggedized display offering ASCII or HEX code (via RS232 or RS422) protocol for control of external systems and/or internal display features. Multiple video and computer inputs (DVI-I, RS170, VGA) and multiple mounting options allow for easy integration within any rugged system.

STANDARD FEATURES

- (20) Tactile Programmable Buttons
 - Internal and/ or External Use
- (4) RS170 Inputs, PIP Capable
- (1) RS170 Output
- (2) DVI-I/VGA Input
- SVGA Resolution (800x600)
- Auto Sensing NTSC/PAL
- MIL-C Power*
- LED Backlight (Extreme 3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure
- 8.4", 10.4", 12.1" and 15.0" TFT AM LCD
- MIL-STD-461 Compliant
- MIL-STD-704 Compliant
- MIL-STD-810 Compliant
- MIL-STD-1275 Compliant

PROGRAMMABLE BUTTON INTERFACE FEATURES

- Integrated Button Assignment/Naming Capability
- Computer based software available for integration of existing code

OPTIONAL FEATURES

- Analog Resistive Touch Screen
- XGA Display Resolution (1024x768)
- NVIS MIL-STD-3009 Red/Green Compatible



* Please note cables not included.

MOUNTING



Front Mount



Panel Mount



RAM Mount



Side Mount



VESA Mount



| LCD Size | Resolution | Nits | Viewing Angle | Contrast Ratio | Maximum Power Consumption |
|-----------------------------------|--|------------|---------------------|----------------|---------------------------|
| 8.4" TFT AM LCD | SVGA (800x600) | 800 nits | 160° (H) x 160° (V) | 900:1 | TBD |
| 10.4" TFT AM LCD | SVGA (800x600) | 800 nits | 160° (H) x 160° (V) | 900:1 | TBD |
| 10.4" TFT AM LCD (Optional) | XGA (1024x768) | 1,000 nits | 160° (H) x 130° (V) | 700:1 | TBD |
| 12.1" TFT AM LCD | SVGA (800x600) | 550 nits | 160° (H) x 140° (V) | 600:1 | TBD |
| 12.1" TFT AM LCD (Optional) | XGA (1024x768) | 1,000 nits | 160° (H) x 140° (V) | 600:1 | TBD |
| 15.0" TFT AM LCD | XGA (1024x768) | 800 nits | 160° (H) x 140° (V) | 800:1 | TBD |
| Technical Specifications | | | | | |
| Display | 8-bit color, 16,777,216 colors | | | | |
| Dimming Ratio | 3000:1 | | | | |
| Video Inputs | (4) RS170 , (2) DVI-I/VGA | | | | |
| Video Outputs | (1) RS170 | | | | |
| Connectors* | MIL-C Connectors | | | | |
| Housing | Milled AL, Black Hard Anodized | | | | |
| Mounting | Panel, RAM, 75mm VESA Mount, Side Mount (12.1"-17.5" sizes) | | | | |
| Wide Range DC Power Input† | 10-36 VDC (12,24,28 VDC nominal) | | | | |
| Power Conditioning | Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity | | | | |
| Environmental Specifications | | | | | |
| IP Rating | IP67 (NEMA 6 Submersible) | | | | |
| Operating Temperature | -40°C to 70°C (-40°F to 158°F) | | | | |
| Storage Temperature | -50°C to 80°C (-58°F to 176°F) | | | | |
| Humidity | 0-100% | | | | |
| Altitude | 45,000 ft. | | | | |
| Military Specifications | | | | | |
| MIL-STD-461 | EMI | | | | |
| MIL-STD-810 | Method 501.4 II-Op; High Temperature | | | | |
| MIL-STD-810 | Method 502.4 II-Op; Low Temperature | | | | |
| MIL-STD-810 | Method 514.5; Procedure I, General Vibration | | | | |
| MIL-STD-810 | Method 516.5; Procedure I, Functional Shock | | | | |
| MIL-STD-1275D | Vehicle Power Requirements | | | | |
| MIL-STD-3009 | Optional NVIS Compatibility | | | | |
| MIL-PRF-22885 | Sunlight Readability for Push Buttons | | | | |
| MIL-A-8625 Type III (Class 1 & 2) | Standard Finish | | | | |
| MIL-PRF-22750F | Optional Painted Finish - Min. Qty Required | | | | |
| MIL-DTL-26482 | Connector (Qualified) | | | | |
| MIL-DTL-38999 | Connector (Qualified) | | | | |

* - Please note cables not included.

† - The power range specified covers momentary environmental fluctuations generally found in a mobile environment while display is operating. For power initialization and continual operation, nominal voltages are required.

NOTE: CONTINUOUS PRODUCT DEVELOPMENT MAY NECESSITATE SPECIFICATION CHANGES AND DESIGN WITHOUT NOTICE