PCM-3521
PCM-3524
PCM-3525

Flat Panel/CRT Display Module

VGA to TV Signal Converter Module

VGA to TFT LCD Panel PC/104 Module

PCM-3521   CE FCC

PCM-3524   CE

PCM-3525-00A1

Features

- Supports a wide range of popular flat panel displays and traditional CRT monitors in high resolutions
- A flat panel display and a CRT VGA display can be displayed at the same time
- On board variable resistor for panel contrast adjustment

Specifications

Chipset	Asiliant (C&T) 65545
Video Memory	1 MB
Frame Buffer	512 KB
LCD Bias Volt. (VEE)	-35 ~ +35 V (by on-board DC-DC converter)
Supports LCD Power	3.3 V / 5 V @ 300 mA
Resolution	Standard Resolution - B/W panel: 640x480@ 64 gray scales - Color panel: 640 x 480 @24 bpp - CRT: 640 x 480@24 bpp Optional Resilution - B/W panel: 800 x 600@ 61 gray scales - Color panel: 800 x 600 @ 8 bpp - CRT: 800 x 600@8 bpp
Power Requirements	+5 V, ±5 % tolerance on power supply
Size/Weight	96 mm x 90 mm (3.8" x 3.5"), 0.08 kg (0.176 lb)
Temperature	Operating: 0 ~ 60˚ C (32 ~ 140˚ F) Storage: -40 ~ 85˚ C (-40 ~ 185˚ F)
Operating Humidity	0% ~ 90% relative humidity, non-condensing

Packing List

- **Startup manual**
- **CD-ROM (Manual, Driver, Utility)**

Ordering Information

- **PCM-3521-00A1**   Flat panel signal converter module

Features

- Converts RGB and sync from a standard VGA source into broadcast quality NTSC and PAL video
- SMAPTE-170M/CCIR-656 composite and S-video output
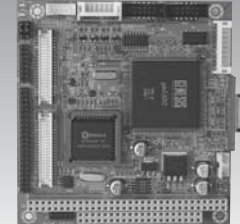- Configuration set by switch

Specifications

Flicker Filter	3 line Flicker Buffer
MAX Resolution	640 x 480 60 Hz (NITST, PAL-M) 800 x 600 50 Hz (PAL-B/G/H/I)
Output Connector	Composite and S-video output format
Positioning Control	Horizontal and vertical
Power Requirements	+5 V, ±5 % tolerance on power supply
Size/Weight	96 mm x 90 mm (3.8" x 3.5"), 0.09 kg (0.198 lb)
Temperature	Operating: 0 ~ 60˚ C (32 ~ 140˚ F) Storage: -40 ~ 85˚ C (-40 ~ 185˚ F)
Operating Humidity	0% ~ 90% relative humidity, non-condensing

Packing List

- **Startup manual**
- **CD-ROM (Manual, Driver, Utility)**

Ordering Information

- **PCM-3524-0000**   VGA to TV signal converter module

Features

- VGA to TFT panel transfer module
- Touch screen and OSD (cable optional) support
- Suitable for TFT LCD Panel Adapter

Specifications

Chipset	GENESIS gmZAN2, Winbond W78E65P 8-bit micro-controller
TFT output	48, 36, 24,18-bit TFT (default 36,18bit optional)
VGA input	15-pin D-SUB VGA
Resolution	1024 x 768, 800 x 600, 640 x 480
Connector	ESD Keypad connector for OSD control
LCD connector	Hirose or pin header
Touch Screen	Supported
External Power	+5 V , +12 V
Temperature	0 ~ 60° C (32 ~ 140° F), operation
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Size/Weight	96 x 90 mm (3.8"x 3.5")/0.81 kg (0.18 lb)
Power	+5 V ± 5%

Packing List

- **Startup manual**
- **PCM-3525 board**

Ordering Information

- **PCM-3525-00A1**   VGA to TFT LCD Panel PC/104 Module
- **1995315002**   OSD Keypad
- **1703110500**   PCM-3525 to OSD keypad 50CM cable