



## TV-out (Optional)

- Chipset: SMI Lynx 721
- Supports NTSC, NTSC-EIA (Japan) and PAL TV formats
- Provides Composite video and S-video outputs via PCM-231AV
- Supports 640 x 480 and 800 x 600 input resolutions
- Supports Windows® 95/98 and Windows NT drivers
- Over-scan, under-scan and position adjustable
- Auto-detection of TV presence rnet Interface

## Ethernet Interface

- **Chipset:** Intel 82559ER
- **Ethernet interface:** PCI 10/100 Mbps Ethernet. IEEE 802.3 U protocol compatible
- **Connection:** On-board RJ-45 connector
- **I/O address switchless setting**
- **Built-in Boot ROM**

## Solid State Disk

- Supports one 50-pin CFC socket for CompactFlash™ card

## Mechanical and Environmental

- **Dimensions (L x W):** 145 mm x 102 mm (5.9" x 4.2")
- **Power supply voltage:** +5 V (4.75 V ~ 5.25 V)
- **Power requirements:**  
+5 V @ 2.14 A (typical) (for PCM-9370F w/ 64MB)  
+5 V @ 3 A (Max)
- **Operating temperature:** 0 ~ 60° C (32 ~ 140° F)
- **Weight:** 0.77 kg (weight of total package)

## Jumpers and Connectors

Connectors on the board link it to external devices such as hard disk drives, a keyboard or expansion bus connectors. In addition, the board has a number of jumpers that allow you to configure your system to suit your application.

The tables below lists the function of each of the board's jumpers and connectors:

Table 2-1: Jumpers

Label	Function
J1	PCI Bus VIO Voltage select
J2	Brightness control connector
JP1	Watchdog timer action
JP2	ATX power on function select
JP3	Fan power, power LED and HDD LED connector
JP4	Clear CMOS
JP6, JP7, JP8	COM2 setting
SW1	LCD type select

Table 2-2: Connectors

Label	Function
CN1	Hardware reset connector
CN2	ATX feature connector
CN3	Main power connector (+5 V, +12 V)
CN4	ATX power on function select
CN5	Floppy disk connector
CN6	PC/104Plus (ISA+PCI) connector
CN8	IDE hard disk connector
CN9	Parallel port connector
CN10	USB connector
CN11	Ext. Flat Panel LCD connector (2nd)
CN12	Flat panel connector (1st)
CN13	Audio AC97-Link, module connector
CN14	COM2 connector
CN15	Ethernet connector
CN16	TV-out module connector
CN17	CRT display connector
CN18	COM1 connector
CN19	PS/2 keyboard + PS/2 mouse
CN21	CompactFlash socket
DIMM1	1st SODIMM (on-board 64MB)
DIMM2	2nd SODIMM socket

### J1: PCI Bus VIO Voltage Select

Closed Pins	Result
1 - 2*	5 V
2 - 3	3 V

### J2: Brightness Control Connector

Pin 1	VCC
Pin 2	VCON
Pin 3	GND

### JP1: Watchdog Timer

Closed Pins	Result
1 - 2*	Reset
2 - 3	IRQ11

### JP2: ATX, AT power select

Closed pins	Result
1-3, 2-4	ATX power
3-5, 4-6	AT power*

### JP3: Fan power, power LED and HDD LED connector

Closed Pin	Result
pin 1	VCC (+5 V) (for fan)
pin 2	GND (for fan)
pin 3	power LED+
pin 4	HDD LED+
pin 5	power LED- (GND)
pin 6	HDD LED-

### JP4: Clear CMOS

Closed Pins	Result
1 - 2*	3 V battery on
2 - 3	Clear CMOS

**JP6, JP7, JP8: COM2 RS-232/422/485 Select**

	RS-232*	RS-422	RS-485
JP6	1-2	3-4	5-6
JP7	1-3,2-4	3-5,4-6	3-5,4-6
JP8	1-3,2-4	3-5,4-6	3-5,4-6

SW1: Panel type select

<b>SW 1-1</b>	
<b>SW 1-1 status</b>	<b>TFT/DSTN select</b>
ON	TFT*
OFF	DSTN
<b>SW 1-2</b>	
<b>SW 1-2 status</b>	<b>FPCLK select</b>
ON	FPCLK Normal*
OFF	FPCLK Inverted

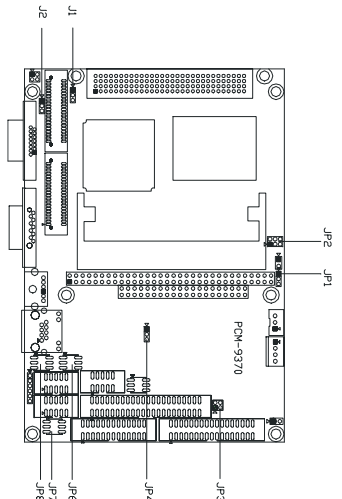
<b>SW 1-3,4</b>		
<b>SW 1-3,4 status</b>		<b>Resolution select</b>
SW 1-3	SW 1-4	Result
ON	ON	640 x 480
OFF*	ON	800 x 600*
ON	OFF	1024 x 768
OFF	OFF	1280 x 1024

<b>SW 1-5,6,7</b>			
<b>SW 1-5,6,7 status</b>		<b>TFT Type Select</b>	
SW 1-5	SW 1-6	SW 1-7	Type of TFT
ON	ON	ON	8-bit TFT
OFF	ON	ON	12-bit TFT
OFF	OFF	ON	18 bit(24-bit) TFT*
ON	ON	OFF	12 x 2 bit TFT
OFF	ON	OFF	Analog TFT
ON	OFF	OFF	18 x 2 bit TFT

<b>SW 1-8</b>	
<b>SW 1-8 status</b>	<b>Type of DSTN</b>
ON	16-bit DSTN
OFF	24-bit DSTN

\* default setting

**Locating Jumpers**

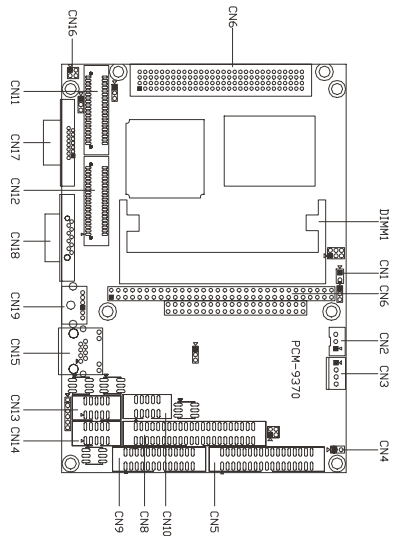


PCM-9370F Locating Jumpers

**Locating Connectors**

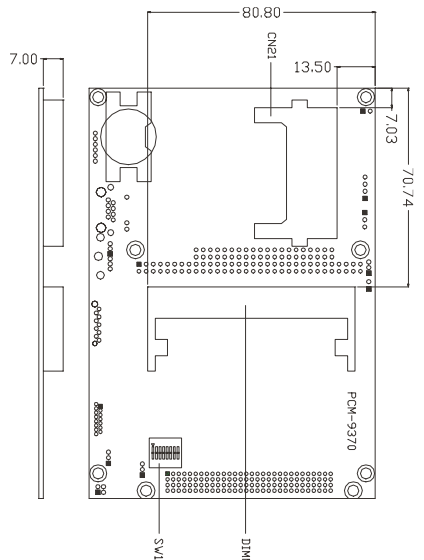
**Warning:** Be sure to use the correct component side.

Improper installation can cause serious

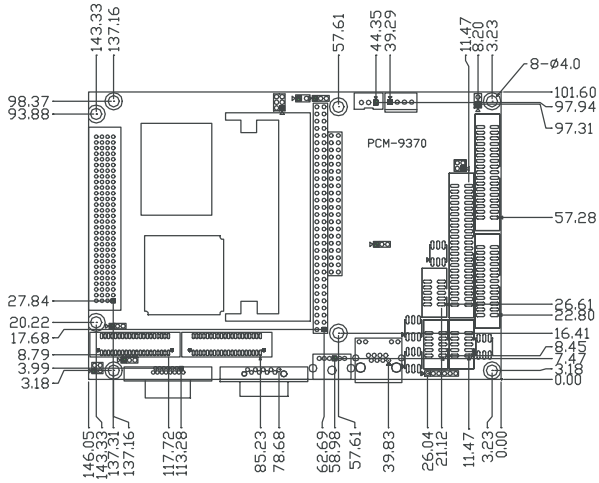


PCM-9370F Locating connectors (component side)

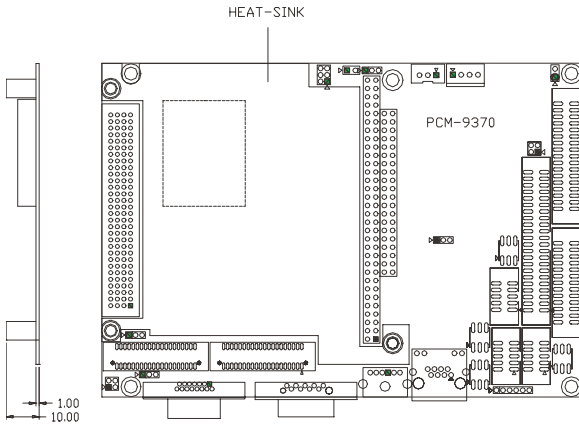
**Mechanical Drawings**



PCM-9370F Board Dimensions (solder side)



**PCM-9370F Board Dimensions A (component side)**



**PCM-9370F Board Dimensions B (component side)**