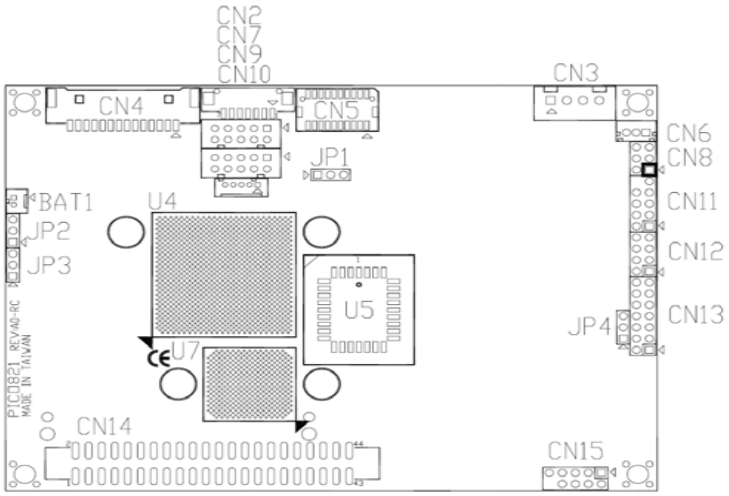
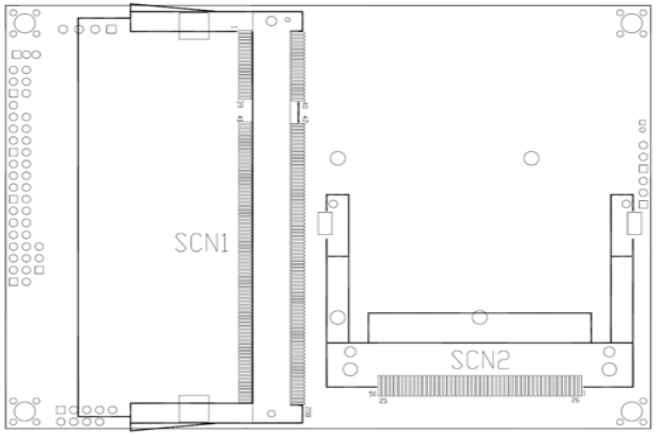
Please refer to the PICO821 Series Product Information CD for the complete User's Manual, drivers and utilities.

V. Board Layout



Component Side



Solder Side

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PICO821 Series Quick Installation Guide

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I. Checklist

- ✓ PICO821 Pico-ITX Board x 1
- ✓ Quick Installation Guide x 1
- ✓ Product Information CD x 1
- ✓ 2-pin Jumper Cap, Pitch=2.0mm x 5
- ✓ DVI-D kit x 1(Option)
- ✓ LAN kit x 1(Option)
- ✓ Power Input Cable x 1(Option)
- ✓ 2xUSB Cable x 2(Option)
- ✓ USB Client Cable x 1(Option)
- ✓ Audio Cable x 1(Option)
- ✓ COM + PS/2 Cable x 1(Option)

Note: *Please contact your local vendors if any damaged or missing items. DO NOT apply power to the board if any damaged components.*

II. Jumper Settings

Before applying the power to PICO821 Series, please make sure all jumper settings are defaulted as the following table:

Description	Function	Jumper Setting
Flat Panel Connector (CN5) Voltage Selection : JP1	3.3V (Default)	
	5V	
CMOS Clear : JP2	Normal (Default)	
	Clear CMOS	
Description	**Function**	**Jumper Setting**

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Compact Flash™ Power Select : JP3	3.3V (Default)	
	5V	
AUTO BUTTON Mode Selection : JP4	ON	
	OFF (Default)	

Connectors

Connectors	Label
Inverter Connector	CN2
DC Power Connector	CN3
LAN Connector	CN4
LVDS Connector	CN5
SMBUS Connector	CN6
USB4&5 Connector	CN7
KB/MS Connector	CN8
USB0&1 Connector	CN9
USB CLIENT Connector	CN10
COM Port Connector	CN11
DIO Port Connector	CN12
Flat Panel Bezel Connector	CN13
PATA Connector	CN14
AUDIO Connector	CN15
DDRII SODIMM Connector	SCN1
Compact Flash Connector	SCN2

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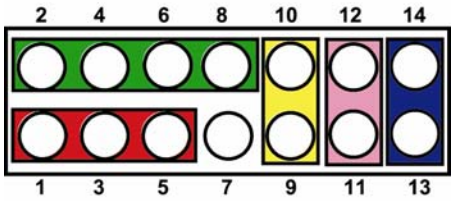
PICO821 Series Quick Installation Guide

IV. Front Panel Connectors: CN13



- Power LED

  This 3-pin connector denoted as Pin 1 and Pin 5 connects the system power LED indicator to such a switch on the case. Pin 1 is assigned as +, and Pin 5 as -. The Power LED lights up when the system is powered ON.

- External Speaker and Internal Buzzer Connector
  Pin 2, 4, 6 and 8 can be connected to the case-mounted speaker unit or internal buzzer. While connecting the CPU card to an internal buzzer, please short pins 2-4; while connecting to an external speaker, you need to set pins 2-4 to Open and connect the speaker cable to pin 8 (+) and pin 2 (-).

- ATX Power On/Off Button
  This 2-pin connector denoted as Pin 9 and 10 connects the front panel's ATX power button to the CPU card, which allows users to control ATX power supply to be power on/off.

- System Reset Switch
  Pin 11 and 12 can be connected to the case-mounted reset switch that reboots your computer instead of turning OFF the power switch. It is a better way to reboot your system for a longer life of the system's power supply.

- HDD Activity LED

  This connection is linked to hard drive activity LED on the control panel. LED flashes when HDD is being accessed. Pin 13 and 14 connect the hard disk drive to the front panel HDD LED, Pin 13 assigned as -, and Pin 14 as +.

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