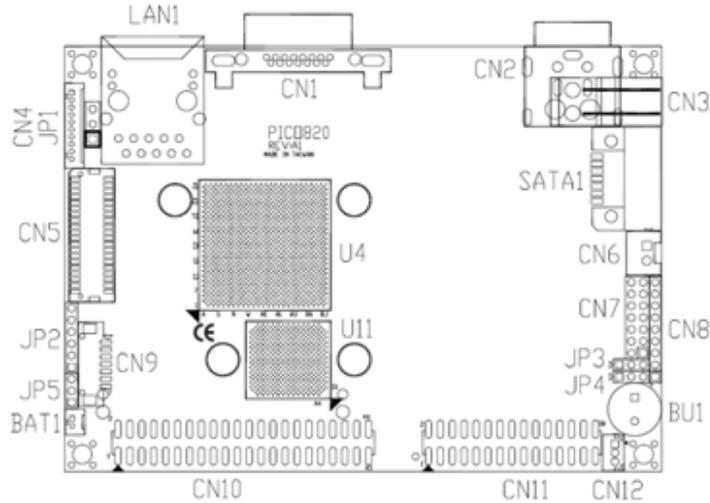


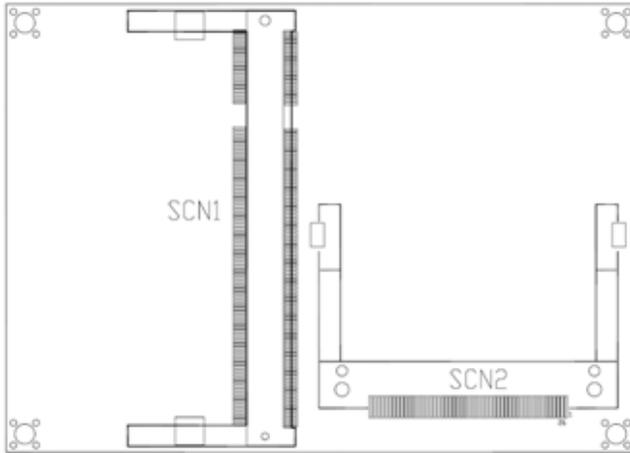
## PICO820 Series Quick Installation Guide

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### V. Board Layout



Component Side



Solder Side

### I. Checklist

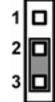
- ✓ PICO820 Pico-ITX Board x 1
- ✓ Quick Installation Guide x 1
- ✓ Product Information CD x 1
- ✓ 2-pin Jumper Cap, Pitch=2.0mm x 5
- ✓ I/O Board AX93238 x 1
- ✓ SATA Cable x 1
- ✓ DC Power Cable x 1

**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 PICO820 Series, please make sure all jumper settings are defaulted as the following table:

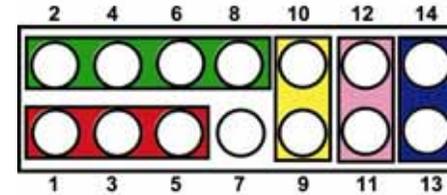
Description	Function	Jumper Setting
Flat Panel Connector (CN5) Voltage Selection	3.3V (Default)	
	5V	
AUTO BUTTON Mode Selection	ON	
	OFF (Default)	
CompactFlash™ Power Select	3.3V (Default)	
	5V	

Description	Function	Jumper Setting
CMOS Clear	Normal (Default)	
	Clear CMOS	

### III. Connectors

Connectors	Label
VGA Connector	CN1
DC Power Jack Connector	CN2
DC Power Connector(Optional)	CN3
LPC Interface Connector	CN4
LVDS Connector	CN5
Serial ATA Power Connector	CN6
Flat Panel Bezel Connector	CN7
DIO Port Connector	CN8
Inverter Connector	CN9
Thru Front I/O Connector 1	CN10
Thru Front I/O Connector 2	CN11
SMBUS Connector	CN12
CPLD JTAG Interface Connector	JP2
LAN Connector	LAN1
Serial ATA Connector	SATA1
DDRII SODIMM Connector	SCN1
Compact Flash Connector	SCN2

### IV. Front Panel Connectors



- **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 +.