

MANUAIS DE MOTHERBOARDS SUPERMICRO

SUPER 430HX Based Motherboard Jumper Settings

SUPER P5STE SUPER P5STDm SUPER AP5T2  
 SUPER P5XTRA SUPER P5STD SUPER P5T2S

**SUPER P5STE/P5STDm JUMPER SETTINGS**  
**CPU Jumper Setting:**

CPU Core/Bus Ratio Jumper Setting		
Ratio	J27	J40
X 1.5	OFF	OFF
X 2.0	ON	OFF
X 2.5	ON	ON
X 3.0	OFF	ON

**Example:**  
**For Intel's Pentium 200 MHz Non-MMX CPU :**  
 bus speed = 66 MHz,  
 Core/Bus Ratio = X 3.0  
 CPU V<sub>core</sub> = 3.3 Volts  
 jumper settings should be:  
 J27:OFF, J40:ON  
 JP11:OFF

Bus Speed Selection		
Frequency	J29	J31
50 MHz	ON	ON
60 MHz	ON	OFF
66 MHz	OFF	ON

CPU Core Voltage Setting	
CPU V <sub>core</sub>	JP11
2.8 Volts	2-3
3.3 Volts	OFF
3.5 Volts	1-2

**CMOS/Battery:**

- J42: CMOS Clear, pin 1-2: Normal(default), pin 2-3: CMOS Clear (To clear CMOS needs to disconnect AC power.)
- JP30: Optional External battery, pin1: +3V, pin2 and pin3: No Connect, pin4: Ground

**Front Control Panel:**

- J34: IDE LED: pin1:+5V, pin2:HD Active, pin3:HD Active, pin4:+5V
- J32: Power LED and Keylock: pin1:Vcc +5V, pin2: NC, pin3: Ground, pin4: Keyboard Inhibit, pin5:Ground
- J35: Reset: pin1:Reset, pin2: Ground
- J39: Speaker: pin1: Speaker Data, pin2 and pin3: No Connect, pin10: Vcc +5V
- JP32: Turbo LED: pin1:+5V, pin2:Ground

**Overheat/Thermal Control:** (For P5STE Only)

- J15: Overheat LED: pin1:+5V, pin2:Ground
- J14: Overheat Back up Fan Connector: pin1:+12V, pin2:Ground
- J13: Overheat Buzzer Connector: pin1:+12V, pin2:Ground
- J1: Thermal Control:

J1 Setting	Turn On Temp.	Turn Off Temp.
1-2	57 °C	51 °C
2-3	62 °C	58 °C
OFF	69 °C	65 °C

**Manufacture Settings**

- J28: OFF
- J37: 1-2
- J41: OFF
- J43: OFF

**Others:**

- J44 & J45: USB Port Connector, pin1: Vcc +5V, pin2:P0-, pin3: P0+ pin4: Ground
- JS2: Serial Port, COM1, pin1:DCD, pin2: Serial In, pin3: Serial Out, pin4: DTR, pin5: Dround, pin6:DSR, pin7: RTS, pin8:CTS, pin9: RI, pin10: key
- JS1: Serial Port, COM2, pin1:DCD, pin2: Serial In, pin3: Serial Out, pin4: DTR, pin5: Dround, pin6:DSR, pin7: RTS, pin8:CTS, pin9: RI, pin10: key
- JP86: PS/2 Mouse Connector, pin1,2,3,5,8: NC, pin4: Clock, pin6: Vcc, Fused +5V, pin9: Ground, pin10: key
- JP68: Fast Infrared Connector, pin1:Vcc +5V, pin2:NC, pin3: IRRX, pin4:Ground, pin5:IRTX
- J67: ISA Clock Selection: pin1-2: ISA CLK=PCI CLK/3, pin2-3: ISA CLK=PCI CLK/4 (Default)

**SUPER P5XTRA/AP5T2 JUMPER SETTINGS**

**CPU Jumper Setting:**

CPU Core/Bus Ratio Jumper Setting		
Ratio	J27	J40
X 1.5	OFF	OFF

X 2.0	ON	OFF
X 2.5	ON	ON
X 3.0	OFF	ON

**Example:**

**For Intel's Pentium 200 MHz Non-MMX CPU :**  
 bus speed = **66 MHz**,  
 Core/Bus Ratio = **X 3.0**  
 CPU V<sub>core</sub> = **3.3 Volts**  
 jumper settings should be:  
 J27:OFF, J40:ON  
 JP11:OFF,  
 J29:ON,J31:OFF,J28:ON

Bus Speed Selection			
Frequency	J29	J31	J28
50 MHz	ON	ON	ON
60 MHz	ON	ON	OFF
66 MHz	ON	OFF	ON

CPU Core Voltage Setting	
CPU V <sub>core</sub>	JP11
2.8 Volts	2-3
3.3 Volts	OFF
3.5 Volts	1-2

**CMOS/Battery:**

- **J42: CMOS Clear**, pin 1-2: Normal(default), pin 2-3: CMOS Clear (To clear CMOS needs to disconnect AC power.)
- **JP30: Optional External battery**, pin1: +3V, pin2 and pin3: No Connect, pin4: Ground

**Front Control Panel:**

- **J34: IDE LED**: pin1:+5V, pin2:HD Active, pin3:HD Active, pin4:+5V
- **J32: Power LED and Keylock**: pin1:Vcc +5V, pin2: NC, pin3: Ground, pin4: Keyboard Inhibit, pin5:Ground
- **J35: Reset**: pin1:Reset, pin2: Ground
- **J39: Speaker**: pin1: Speaker Data, pin2 and pin3: No Connect, pin10: Vcc +5V
- **JP32: Turbo LED**: pin1:+5V, pin2:Ground

**Overheat/Thermal Control:**

- **J15: Overheat LED**: pin1:+5V, pin2:Ground
- **J14: Overheat Back up Fan Connector**: pin1:+12V, pin2:Ground
- **J13: Overheat Buzzer Connector**: pin1:+12V, pin2:Ground
- **J1: Thermal Control**:

J1 Setting	Turn On Temp.	Turn Off Temp.
1-2	57 °C	51 °C
2-3	62 °C	58 °C
OFF	69 °C	65 °C

**Manufacture Settings**

- **J37: 1-2**
- **J41: OFF**
- **J43: OFF**

**Others:**

- **J44 & J45: USB Port Connector**, pin1: Vcc +5V, pin2:P0-, pin3: P0+ pin4: Ground
- **JS2: Serial Port, COM1**, pin1:DCD, pin2: Serial In, pin3: Serial Out, pin4: DTR, pin5: Dround, pin6:DSR, pin7: RTS, pin8:CTS, pin9: RI, pin10: key
- **JS1: Serial Port, COM2**, pin1:DCD, pin2: Serial In, pin3: Serial Out, pin4: DTR, pin5: Dround, pin6:DSR, pin7: RTS, pin8:CTS, pin9: RI, pin10: key
- **JP86: PS/2 Mouse Connector**, pin1,2,3,5,8: NC, pin4: Clock, pin6: Vcc, Fused +5V, pin9: Ground, pin10: key
- **JP68: Fast Infrared Connector**, pin1:Vcc +5V, pin2:NC, pin3: IRRX, pin4:Ground, pin5:IRTX
- **J67: ISA Clock Selection**: pin1-2: ISA CLK=PCI CLK/3, pin2-3: ISA CLK=PCI CLK/4 (Default)

**SUPER P5XTRA/AP5T2 JUMPER SETTINGS**  
**CPU Jumper Setting:** (P5STD can NOT support MMX Processors)

CPU Core/Bus Ratio Jumper Setting		
Ratio	J27	J40
X 1.5	OFF	OFF
X 2.0	ON	OFF
X 2.5	ON	ON
X 3.0	OFF	ON

**Example:**

**For Intel's Pentium 200 MHz Non-MMX CPU :**  
 bus speed = **66 MHz**,  
 Core/Bus Ratio = **X 3.0**  
 CPU V<sub>core</sub> = **3.3 Volts**  
 jumper settings should be:  
 J27:OFF, J40:ON  
 JP11:OFF

Bus Speed Selection		
Frequency	J29	J31
50 MHz	ON	ON
60 MHz	ON	OFF

66 MHz	OFF	ON
<b>CPU Core Voltage Setting</b>		
<b>CPU V<sub>core</sub></b>	<b>JP11</b>	
<b>2.9 Volts</b>	2-3	
<b>3.3 Volts</b>	OFF	
<b>3.4 Volts</b>	1-2	

**CMOS/Battery:**

- **J42:** *CMOS Clear*, pin 1-2: Normal(default), pin 2-3: CMOS Clear (To clear CMOS needs to disconnect AC power.)
- **JP30:** *Optional External battery*, pin1: +3V, pin2 and pin3: No Connect, pin4: Ground

**Front Control Panel:**

- **J34: IDE LED:** pin1:+5V, pin2:HD Active, pin3:HD Active, pin4:+5V
- **J32: Power LED and Keylock:** pin1:Vcc +5V, pin2: NC, pin3: Ground, pin4: Keyboard Inhibit, pin5:Ground
- **J35: Reset:** pin1:Reset, pin2: Ground
- **J39: Speaker:** pin1: Speaker Data, pin2 and pin3: No Connect, pin10: Vcc +5V
- **JP32: Turbo LED:** pin1:+5V, pin2:Ground

**Manufacture Settings**

- **J28: OFF**
- **J37: 1-2**
- **J41: OFF**
- **J43: OFF**

**Others:**

- **J44 & J45: USB Port Connector**, pin1: Vcc +5V, pin2:P0-, pin3: P0+ pin4: Ground
- **JS2: Serial Port, COM1**, pin1:DCD, pin2: Serial In, pin3: Serial Out, pin4: DTR, pin5: Dround, pin6:DSR, pin7: RTS, pin8:CTS, pin9: RI, pin10: key
- **JS1: Serial Port, COM2**, pin1:DCD, pin2: Serial In, pin3: Serial Out, pin4: DTR, pin5: Dround, pin6:DSR, pin7: RTS, pin8:CTS, pin9: RI, pin10: key
- **JP86: PS/2 Mouse Connector**, pin1,2,3,5,8: NC, pin4: Clock, pin6: Vcc, Fused +5V, pin9: Ground, pin10: key
- **JP68: Fast Infrared Connector**, pin1:Vcc +5V, pin2:NC, pin3: IRRX, pin4:Ground, pin5:IRTX
- **J67: ISA Clock Selection:** pin1-2: ISA CLK=PCI CLK/3, pin2-3: ISA CLK=PCI CLK/4 (Default)

**SUPER P55T2S JUMPER SETTINGS**  
**CPU Jumper Setting:** (P55T2S can NOT support MMX Processors)

<b>CPU Core/Bus Ratio Jumper Setting</b>		
Ratio	J27	J40
<b>X 1.5</b>	OFF	OFF
<b>X 2.0</b>	ON	OFF
<b>X 2.5</b>	ON	ON
<b>X 3.0</b>	OFF	ON

**Example:**

**For Intel's Pentium 200 MHz Non-MMX CPU :**  
bus speed = **66 MHz**,  
Core/Bus Ratio = **X 3.0**  
CPU V<sub>core</sub> = **3.3 Volts**  
jumper settings should be:  
J27:OFF, J40:ON  
JP11:OFF

<b>Bus Speed Selection</b>		
Frequency	J29	J31
<b>50 MHz</b>	ON	ON
<b>60 MHz</b>	ON	OFF
<b>66 MHz</b>	OFF	ON

<b>CPU Core Voltage Setting</b>	
CPU V <sub>core</sub>	JP11
<b>3.3 Volts</b>	2-3
<b>3.4 Volts</b>	OFF
<b>3.5 Volts</b>	1-2

**CMOS/Battery:**

- **J42:** *CMOS Clear*, pin 1-2: Normal(default), pin 2-3: CMOS Clear (To clear CMOS needs to disconnect AC power.)
- **JP30:** *Optional External battery*, pin1: +3V, pin2 and pin3: No Connect, pin4: Ground

**Front Control Panel:**

- **J34: IDE LED:** pin1:+5V, pin2:HD Active, pin3:HD Active, pin4:+5V
- **J32: Power LED and Keylock:** pin1:Vcc +5V, pin2: NC, pin3: Ground, pin4: Keyboard Inhibit, pin5:Ground
- **J35: Reset:** pin1:Reset, pin2: Ground
- **J39: Speaker:** pin1: Speaker Data, pin2 and pin3: No Connect, pin10: Vcc +5V
- **JP32: Turbo LED:** pin1:+5V, pin2:Ground

• **Manufacture Settings**

- **J28: ON or OFF** (can be ignored)
- **J37: 1-2**
- **J41: OFF**
- **J43: OFF**

**Others:**

- **J44 & J45:** *USB Port Connector*, pin1: Vcc +5V, pin2:P0-, pin3: P0+ pin4: Ground
- **JS2:** *Serial Port, COM1*, pin1:DCD, pin2: Serial In, pin3: Serial Out, pin4: DTR, pin5: Dround, pin6:DSR, pin7: RTS, pin8:CTS, pin9: RI, pin10: key
- **JS1:** *Serial Port, COM2*, pin1:DCD, pin2: Serial In, pin3: Serial Out, pin4: DTR, pin5: Dround, pin6:DSR, pin7: RTS, pin8:CTS, pin9: RI, pin10: key
- **JP86:** *PS/2 Mouse Connector*, pin1,2,3,5,8: NC, pin4: Clock, pin6: Vcc, Fused +5V, pin9: Ground, pin10: key
- **JP68:** *Fast Infrared Connector*, pin1:Vcc +5V, pin2:NC, pin3: IRRX, pin4:Ground, pin5:IRTX
- **J67:** ISA Clock Selection: pin1-2: ISA CLK=PCI CLK/3, pin2-3: ISA CLK=PCI CLK/4 (Default)