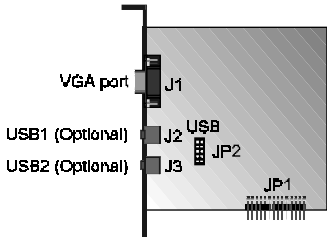
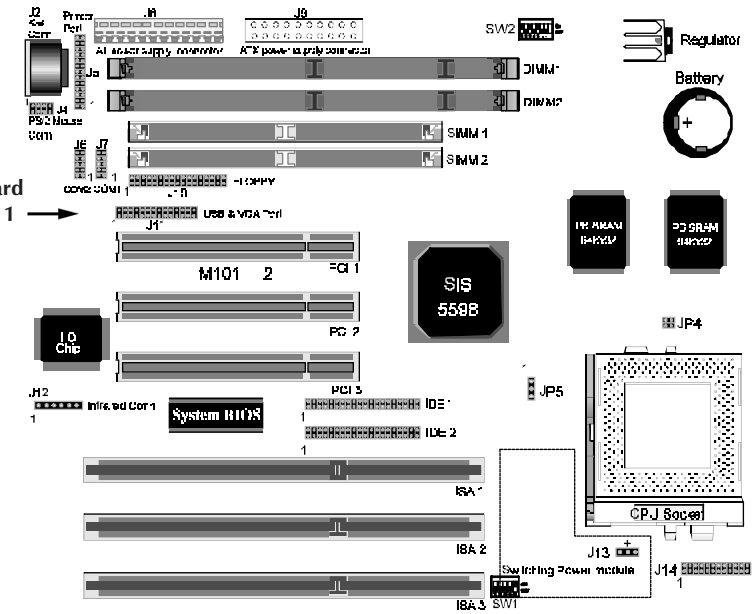
Quick Connector and Jumper Reference

VGA extension card with two optional USB ports



The VGA extension card plugs into J11



SW2(8): Onboard VGA selecter

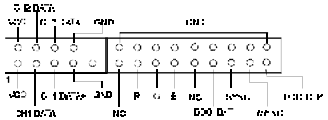
Enable :

Disable :

JP5: CMOS clear data jumper
1~2 short: Normal (default)
2~3 short: Clear CMOS data

J4: PS/2 mouse connector

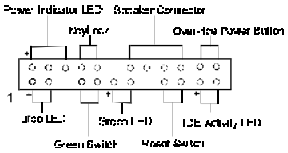
J11: Dual channel USB and on-board VGA connector



J12: Infrared connector

J13: CPU cooling fan connector

J14: Front Panel connector set



Voltage Configuration:

There are two major processor types in general use. Most single-voltage processors such as Pentium, AMD-K5, and Cyrix 6x86 processors use a single voltage value 3.5v for both core and I/O voltage settings. Most dual-voltage processors such as Pentium processors with MMX technology and Cyrix 6x86L processors use a dual voltage value of 2.8v for core and 3.3v for I/O voltage settings. For most of these two types of processors, you can set JP4 and SW1 as follows:

CPU Type	I/O Vcc	Core Vcc	JP4	SW1
Single-voltage processors (Pentium, 6x86, K5)	3.5		1 3	
Dual-voltage processors (MMX Pentium, 6x86L)	3.3	2.8	1 3	

However, some processors such as AMD-K6 may need special voltage support. Please refer to the following table:

CPU Type	I/O Vcc	Core Vcc	JP4	SW1
Single-voltage processors (Pentium, 6x86)	3.3		1 3	
Dual-voltage processors (K6)	3.3	2.9	1 3	
		3.1		
		3.2		

CPU-type		CPU Power Voltage				CPU Speed		
		I/O Vcc	Core Vcc	JP4	SW1	MHz	Freq. ratio	SW2
Intel	P54C-75	3.5		1 3		50	x1.5	
	P54C-90					60	x1.5	
	P54C-120						x2	
	P54C-150						x2.5	
	P54C-100					66	x1.5	
	P54C-133						x2	
	P54C-166						x2.5	
	P54C-200						x3	
	Pentium w/MMX @166MHz	3.3	2.8	1 3			x2.5	
	Pentium w/MMX @200MHz						x3	
	Pentium w/MMX @233MHz						x3.5	
Cyrix /IBM	6x86-PR120+ @100MHz	3.5		1 3		50	x2	
	6x86-PR133+ @110MHz					55		
	6x86-PR150+ @120MHz					60		
	6x86-PR166+ @133MHz					66		
	6x86-PR200+ @150MHz					75		
	6x86L-PR166+ @133MHz	3.3	2.8	1 3		66		
	6x86L-PR200+ @150MHz					75		
AMD	K5-PR75	3.5		1 3		50	x1.5	
	K5-PR90					60		
	K5-PR100					66		
	K5-PR120 @90MHz					60	x2	
	K5-PR133 @100MHz					66		
	K5-PR150 @105MHz					60	x2.5	
	K5-PR166 @116.7MHz					66		
	K6/166	3.3	2.9	1 3		66	x2.5	
	K6/200						x3	