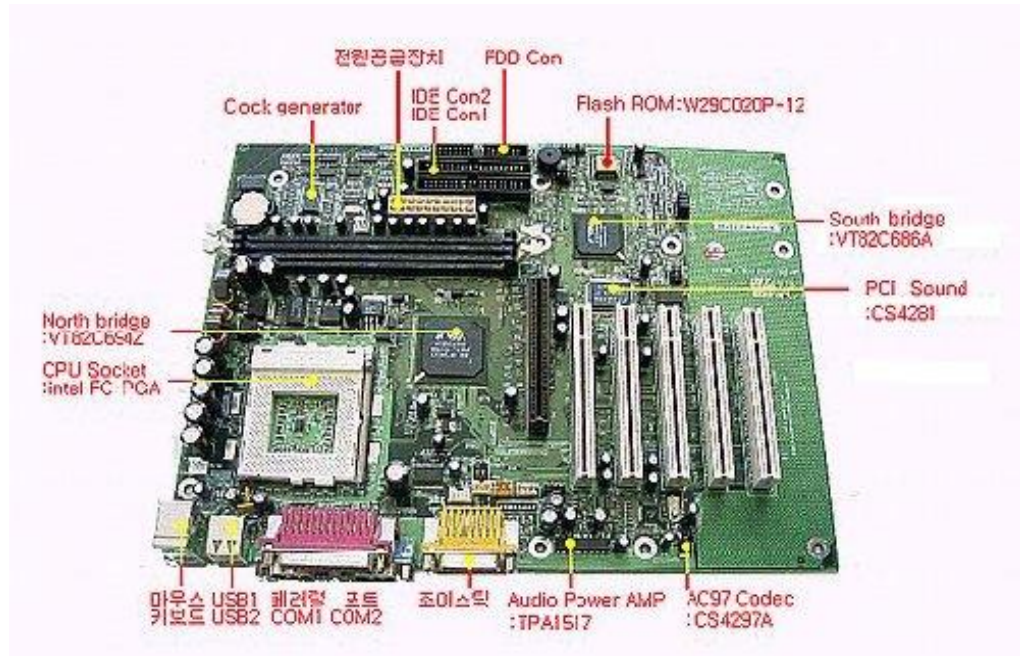


## NARA-A2 Main Board

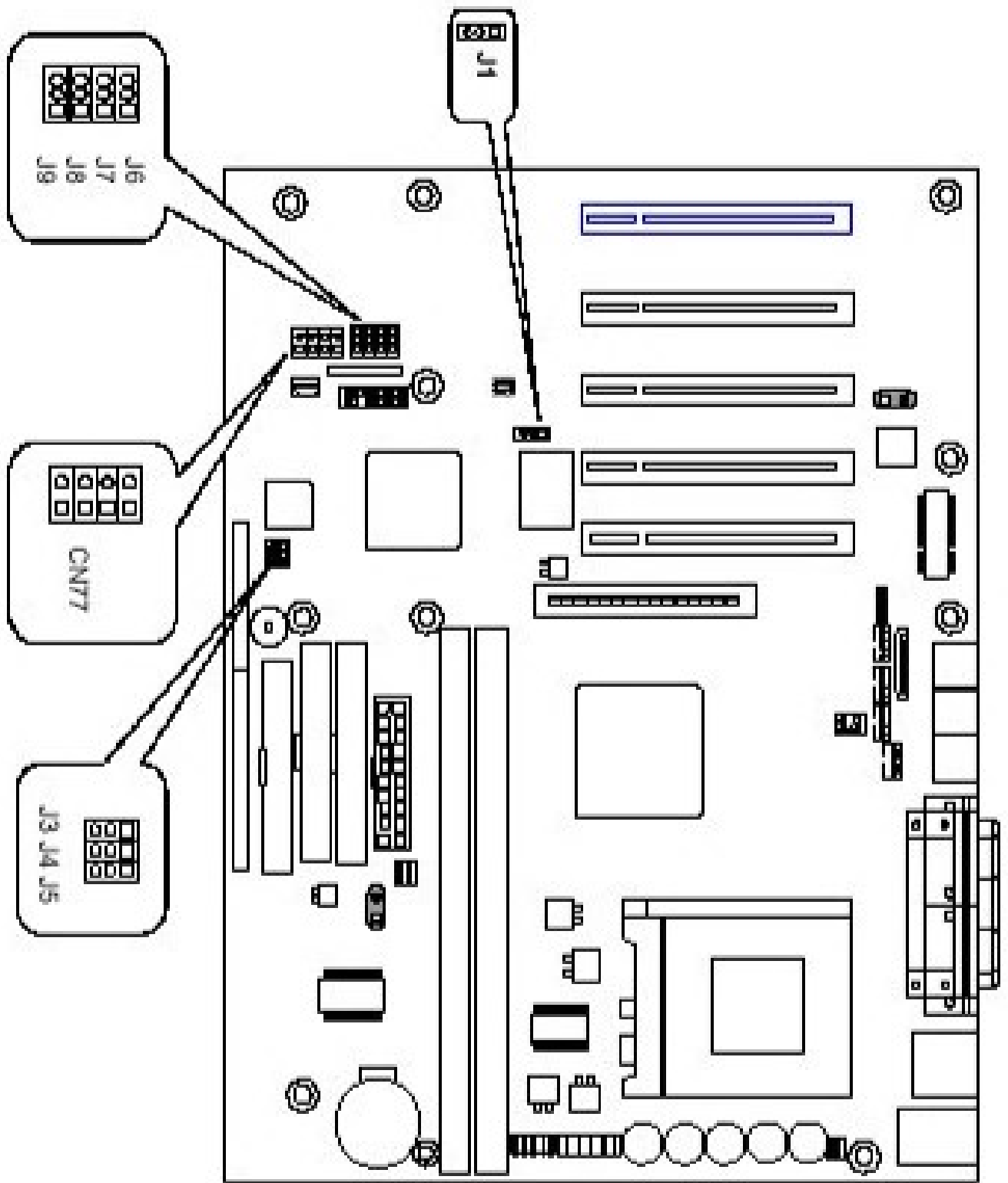


- 업그레이드
- CPU확장
- 메모리확장
- 점퍼 설정
- Cmos Setup
- FAQ
- Board History
- Download

## Features of NARA-A2 Main B/D

ChipSet	Main Chipset : VIA VT82C694X
	PCI Audio Controller : CS4281 PCI Audio Controller / CS4297A Codec
expansion slot	4 x 120Pin Master PCI slots, 1 x Slave PCI slot
	1 x AGP slot (Supports AGP 4X)
Board Size	228mm * 296mm * 1.6t(4 Layer)





## NARA-A2 DIP S/W setting

DIP S/W	function	1-2(Default)	2-3
J6	CMOS RAM function	Enable write/save	Clear CMOS RAM
J7	Password function	Enable password	Clear password
J8	Whether or not CMOS setting is possible	Enable	Disable
J9	FDD write protect	Disable	Enable
J1	PCI Audio	Enable(Default)	Disable



# NARA-A2 memory settings

## Supportable Memory Specifications

division	detail
standard	168Pin 3.3V Unbuffered DIMM Type Module (SDRAM)
type	Dual Inline Memory Module(DIMM) : 16M~512MB, 100/133 MHz
socket	Provides two 168Pin 3.3V Unbuffered DIMM type sockets
max expandable	1GB



## NARA-A2 Supportable CPU (Auto Setting)

division	detail
socket	Intel Socket-370 (370pin PGA370 Socket)
Supported Processors	Cu-256K 500E MHz ~ 800EB MHz (FC-PGA Type)
Support Bus Clock	66MHz / 100MHz / 133MHz



## NARA-A2 Main B/D CMOS SETUP

### use key

Movement between each group	Tap key
Move between each item	Directional movement keys (cursor keys)
select each item	Enter
exit the screen	ESC key
When saving	ALT + Space key
Help	ALT+H

### When booting, press DEL KEY (press when Hit DEL if you want to run SETUP message)

Level 1	Step 2	Step 3	Step 4	optional
Setup	Standard	Pri Master	Type	1~46, Auto, User Type, CD-ROM, ARMD
			LBA/Large Mode	On, Off
			Block Mode	On, Off
			32Bit Mode	On, Off
			PIO Mode	Auto, 0 to 5
		Pri Slave		Same as Pri Master
		Sec Master		Option of Secondary Slave HDD or CD-ROM setting. The method is the same as Pri Master
		Sec Slave		Option of Secondary Slave HDD or CD-ROM setting. The method is the same as Pri Master
		Date/Time		Set date and time
		Floppy A		Not / 360K 5.¼/ 1.2M 5.¼ / 720KB ½ / 1.44M ½ / 2.88M ½
		Floppy B		Not / 360K 5.¼/ 1.2M 5.¼ / 720KB ½ / 1.44M ½ / 2.88M ½
	<b>Advanced</b>	If you set Boot Device to 1 st, 2 nd, 3 rd as Disabled, it will not boot.		
		Logo display		Enabled, Disabled
		Quick Boot		Enabled, Disabled
		1st Boot Device		Floppy, CD-ROM, IDE 1/2/3, ARMD-FDD, ARMD-HDD, SCSI, Network, Disabled
		2nd Boot Device		Floppy, CD-ROM, IDE 1/2/3, ARMD-FDD, ARMD-HDD, SCSI, Network, Disabled
		3rd Boot Device		Floppy, CD-ROM, IDE 1/2/3, ARMD-FDD, ARMD-HDD, SCSI, Network, Disabled
		Boot Up Num-Lock		On, Off
		PS/2 Mouse Support		Disabled, Enabled
		Primary display		Absent, VGA/EGA, CGA 40*25, CGA 80*25, Mono
		Password Check		Setup, Always
		Boot to OS2		Yes, No (related to OS/2 Warp version 3.0)
		Processor Serial Number		Enabled, Disabled
		L1 Cache		Disabled, Enabled
		L2 Cache		Disabled, Enabled
		System BIOS Cacheable		Disabled, Enabled
		C000,32K Shadow		Disabled, Enabled
		C800,16K Shadow		Disabled, Enabled
		CC00,16K Shadow		Disabled, Enabled
		D000,16K Shadow		Disabled, Enabled
		D400,16K Shadow		Disabled, Enabled
		D800,16K Shadow		Disabled, Enabled
		DC00,16K Shadow		Disabled, Enabled
	<b>Chipset</b>	USB Legacy Support		Disabled, Enabled
		AGP Aperture Size		4MB, 8MB, 16MB, 32MB, 64MB, 128MB, 256MB
		Memory Hole		Enabled, Disabled (Conflicts when using ISA cards)
	<b>Power Control</b>	ACPI Aware O/S (applied to some models only)		Enabled, Disabled

		Power Management/APM		Enabled, Disabled
		Power Button Function		Suspend, On/Off
		AC Power Default Status		Enabled, Disabled
		Suspend Time Out		Disabled, 4Min, 8Min, 508Min
	<b>PCI/PnP</b>	Plug and Play Aware OS		Yes, No (whether the OS supports PnP)
		Default Primary Video Adapter		PCI/AGP Video (Select a video card to use as the main video device when using the multi-monitor function in an O/S that supports multi-monitor)
		PCI Latency Timer (PCI Clocks)		64
		PCI VGA Palette Snoop		Disabled, Enabled
	<b>Peripheral</b>	OnBoard IDE		Disabled, Primary, Secondary, Both
		OnBoard Serial Port 1		Auto, Disabled, 3F8h, 2F8h, 3E8h, 2E8h
		OnBoard Serial Port 2		Auto, Disabled, 3F8h, 2F8h, 3E8h, 2E8h
		OnBoard Parallel Port		Auto, Disabled, 378h, 278h, 3BCh
			Parallel Port Mode	Normal, EPP, ECP
			Parallel Port IRQ	5, 7
			Parallel Port DMA Channel	0, 1, 3
		OnBoard FDC		Enabled, Disabled, Auto
<b>Utility</b>	<b>Detect IDE Utility(Auto Detection status)</b>			Pri Master, Pri Slave, Sec Master, Sec Slave(HDD, CD-ROM 자동 검출)
	<b>Color Set Utility</b>	SKY, Army, Pastel, LCD		
<b>Security</b>	<b>Supervisor</b>	Press Enter(암호 설정)		
	<b>User</b>	Press Enter(암호 설정)		
	<b>Anti-Virus(Virus Protection)</b>			Enabled, Disabled
<b>Default</b>	<b>Original</b>	셋업 수행 전 상태로 복귀		
	<b>Optimal</b>	최적 환경으로 자동 설정		

{button Detroit 관련 항목 보기, Klink(Detroit)}

title	Slowdown when U-DMA 66 is applied
registration date	2000/12/04

Reason for application

- H/W change for issues related to U-DMA 66  
->Research on the root cause of the slowdown of the Mouse and the disconnection of the Sound when UDMA-66 is applied.  
ECN application

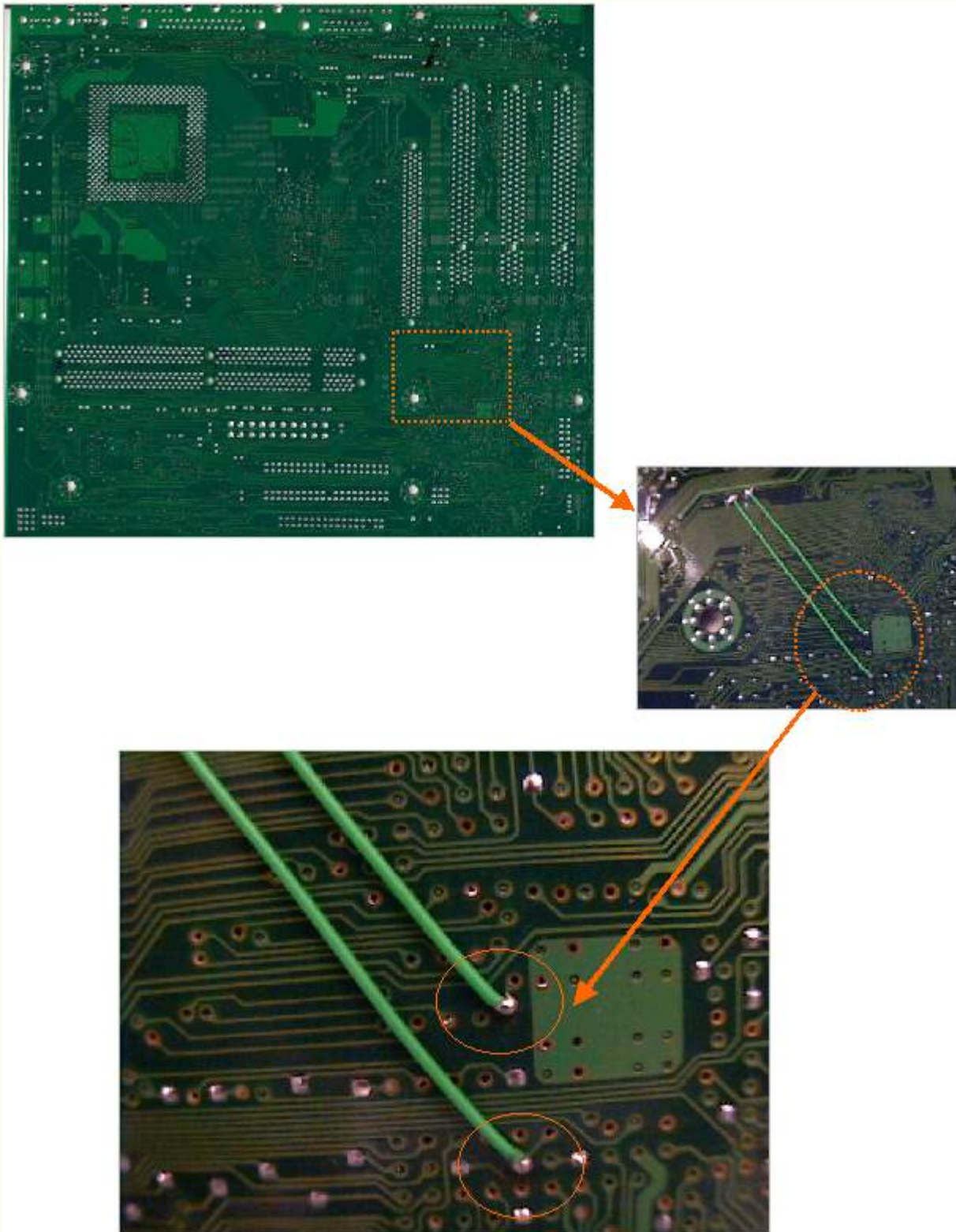
cause

- Used for H/W Monitoring Function, a function not used in NARA Motherboard  
Unnecessary in chipset (VT82C686A, B2) when using UDMA-66 due to VCC3/GND being floated  
This is a phenomenon caused by using H/W resources.

ECO application

\* H/W changes  
- Connect VCC3 and GND to Pin R12 and R13 of Chipset B2, respectively **[Figure]**  
\* BIOS changes  
- Nara-A2 Version : 2.05 -> 2.06  
- Nara-M2 Version : 5.05 -> 5.06

**[painting]**  
- Connect Chipset B2 Pin R12 and CE28(Pin 1) VCC3  
- Connect Chipset B2 Pin R13 and CE28(Pin 2) GND



reference file





이전화면