

OPTIONAL & ADDITIONAL COMPONENTS



SURGE PROTECTOR

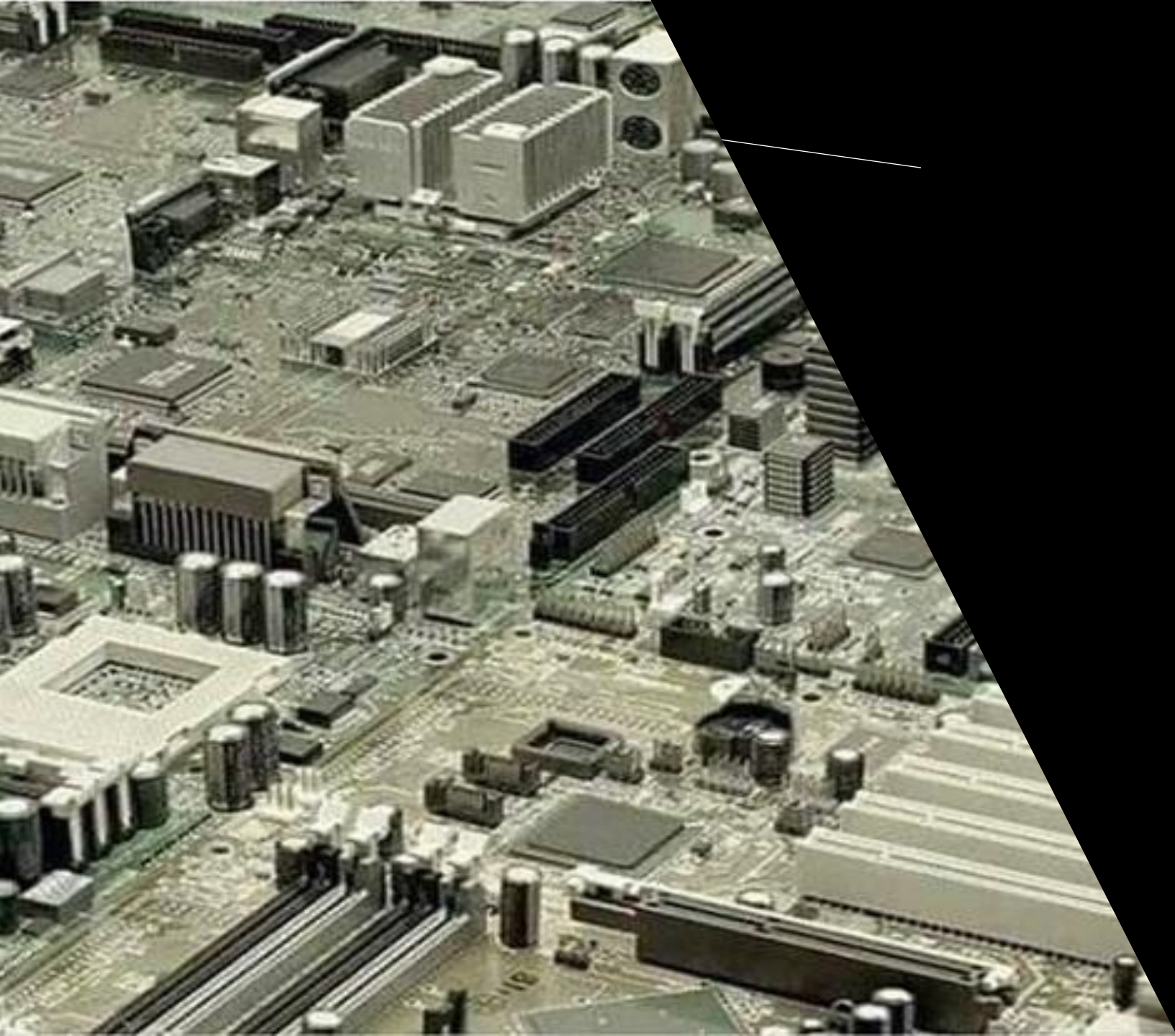


AUTOMATIC
VOLTAGE
REGULATOR
(AVR)



UNINTERRUPTIBLE
POWER
SUPPLY(UPS)





MOTHERBOARD

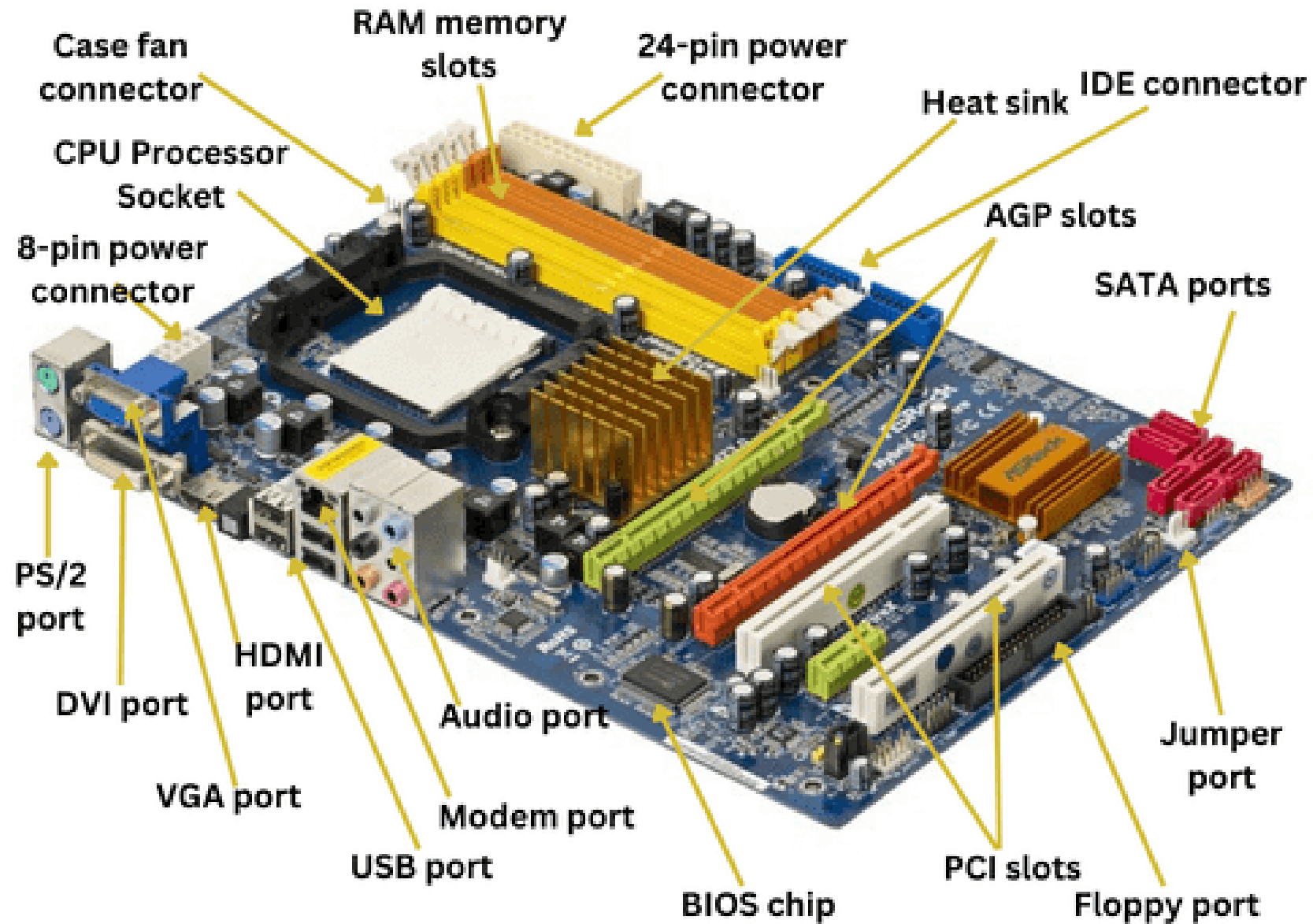
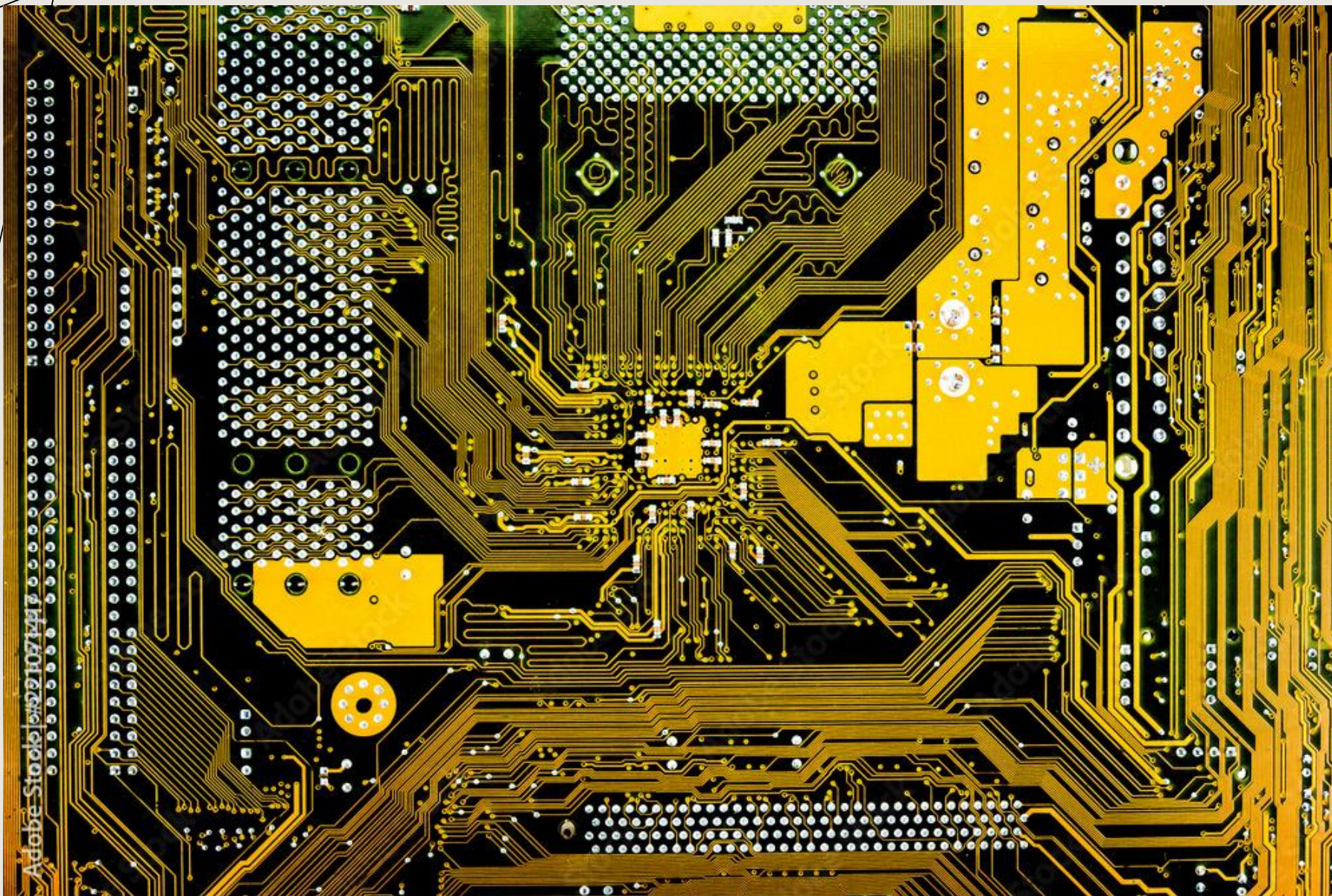


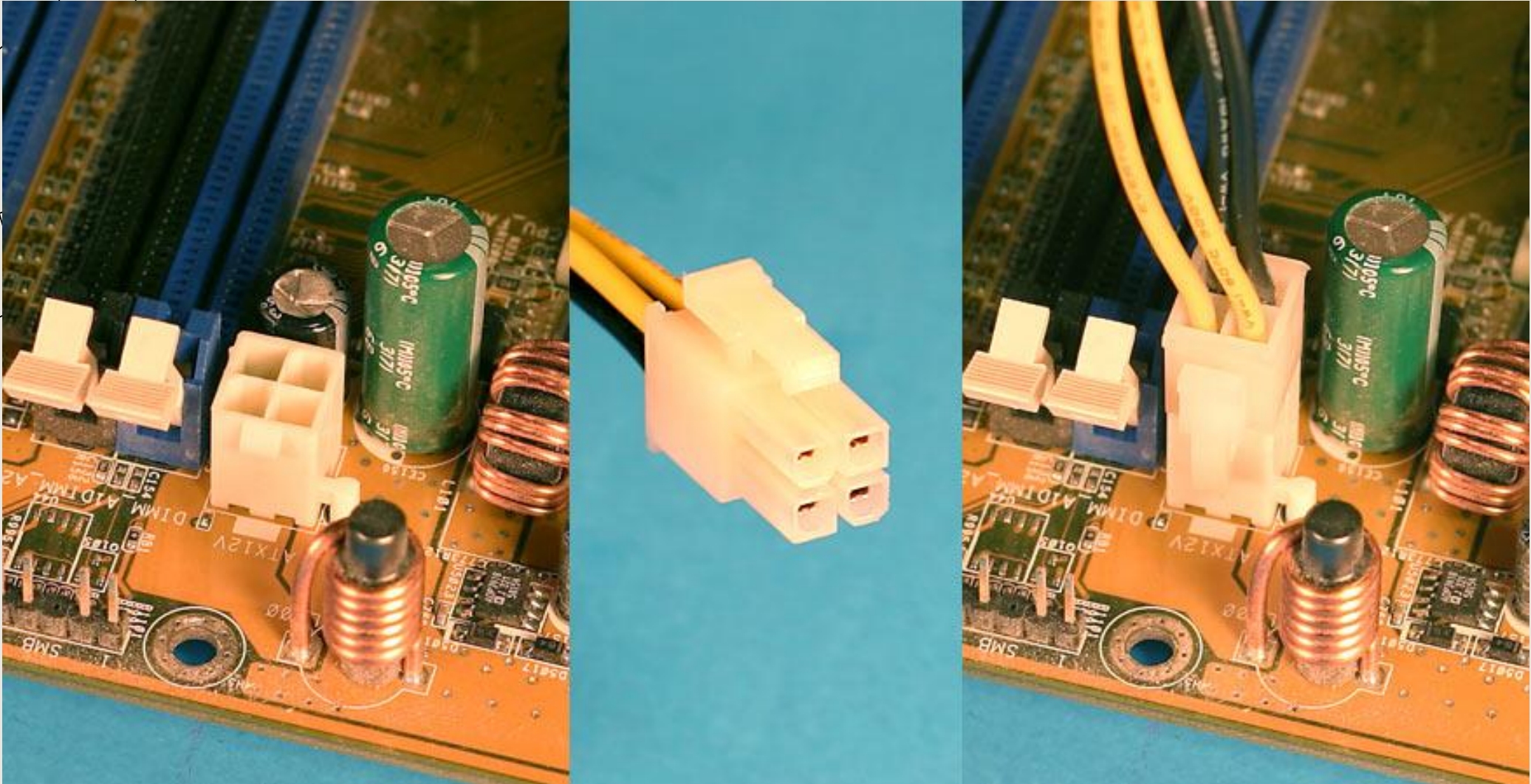
Fig: Main components of motherboard

Sciencetech Easy

Back of a Motherboard



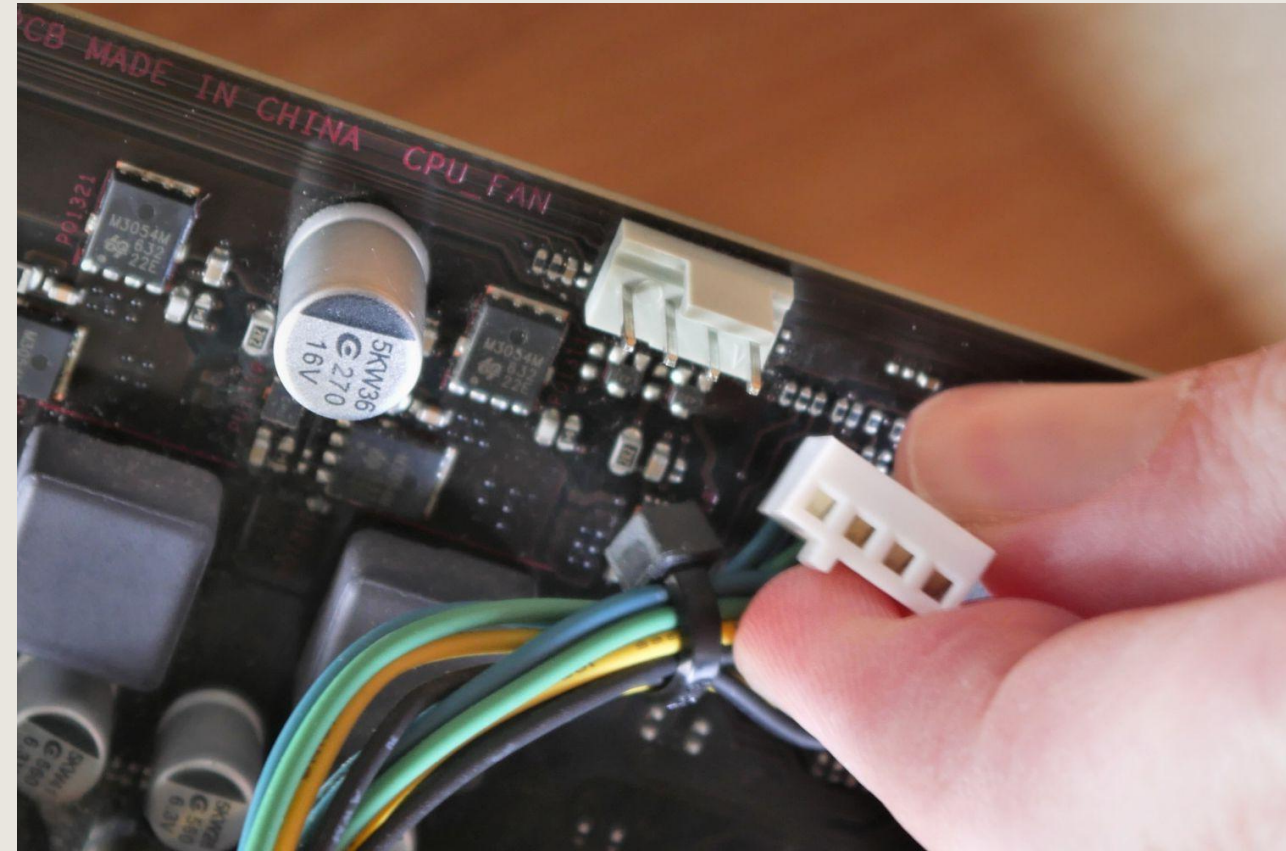
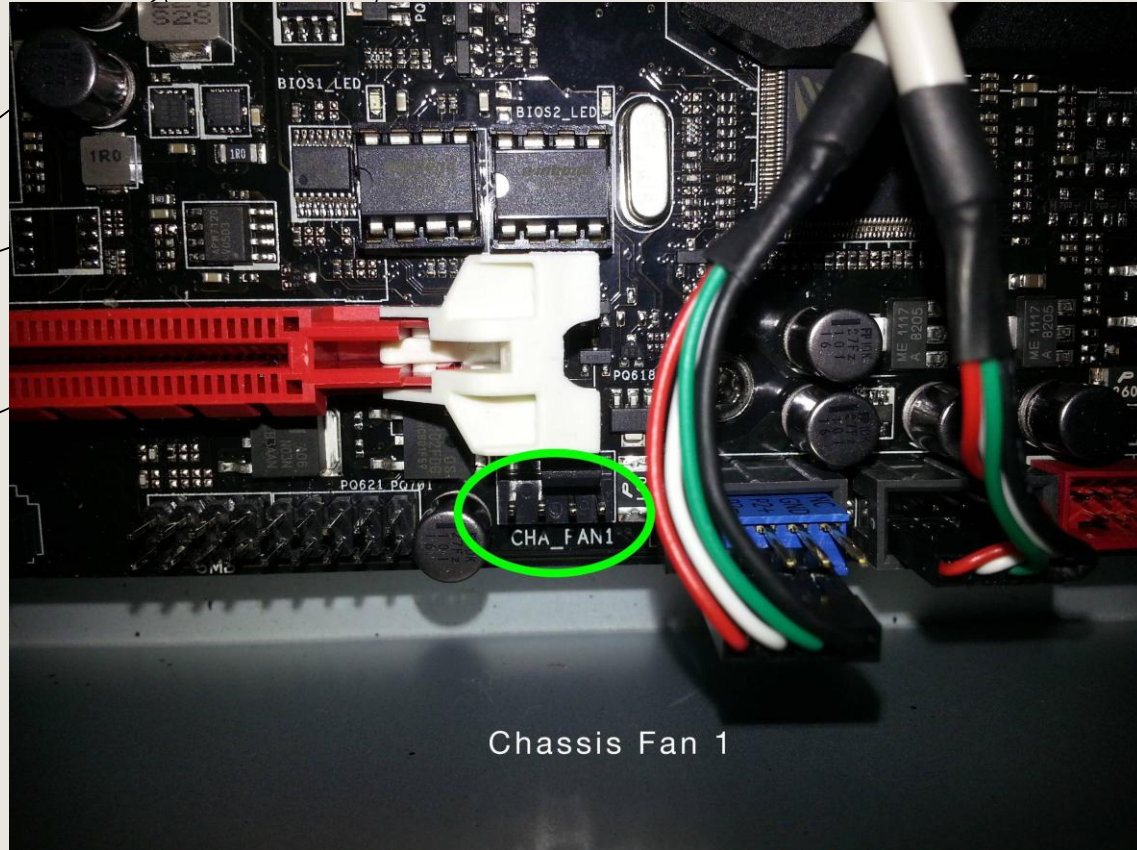
4 pin slot



24 pin slot



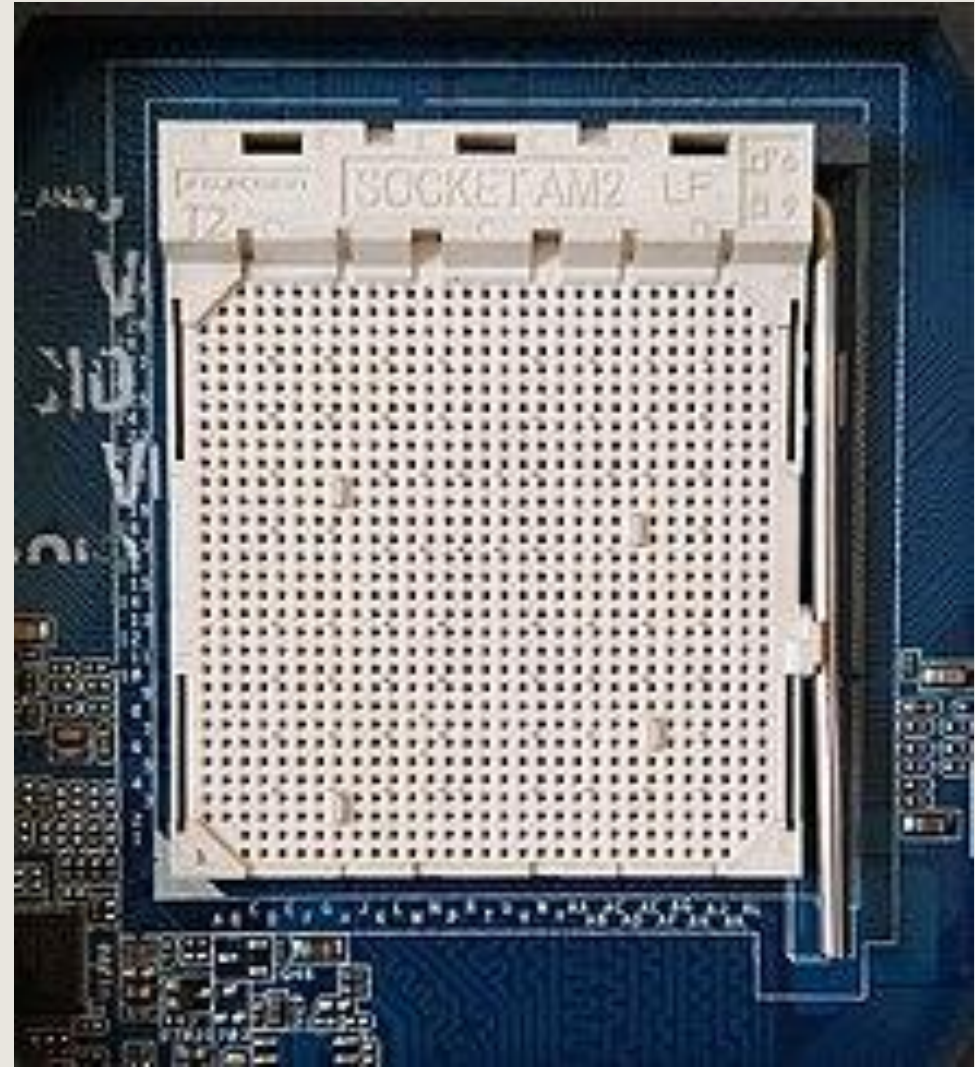
Fan Connectors



CPU Socket / Slot

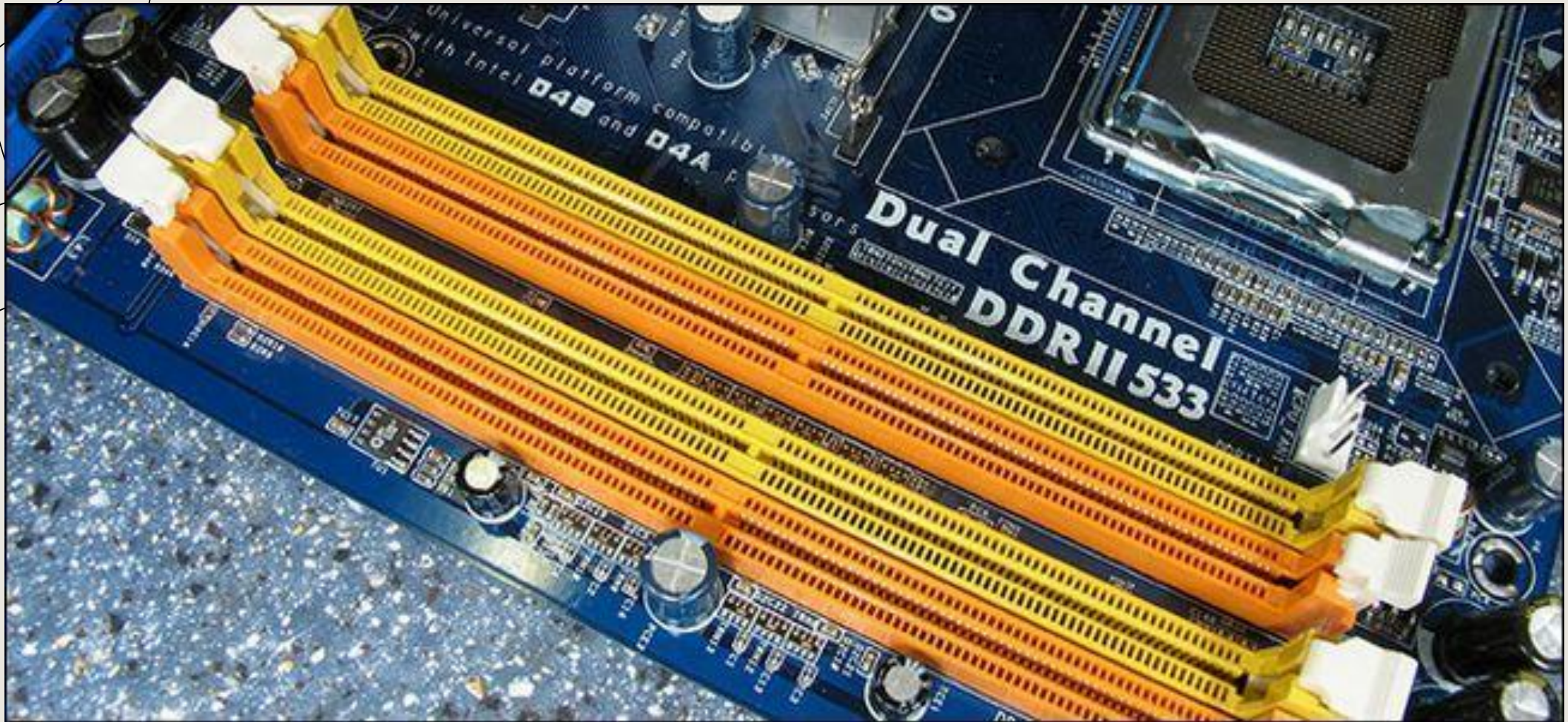


Intel

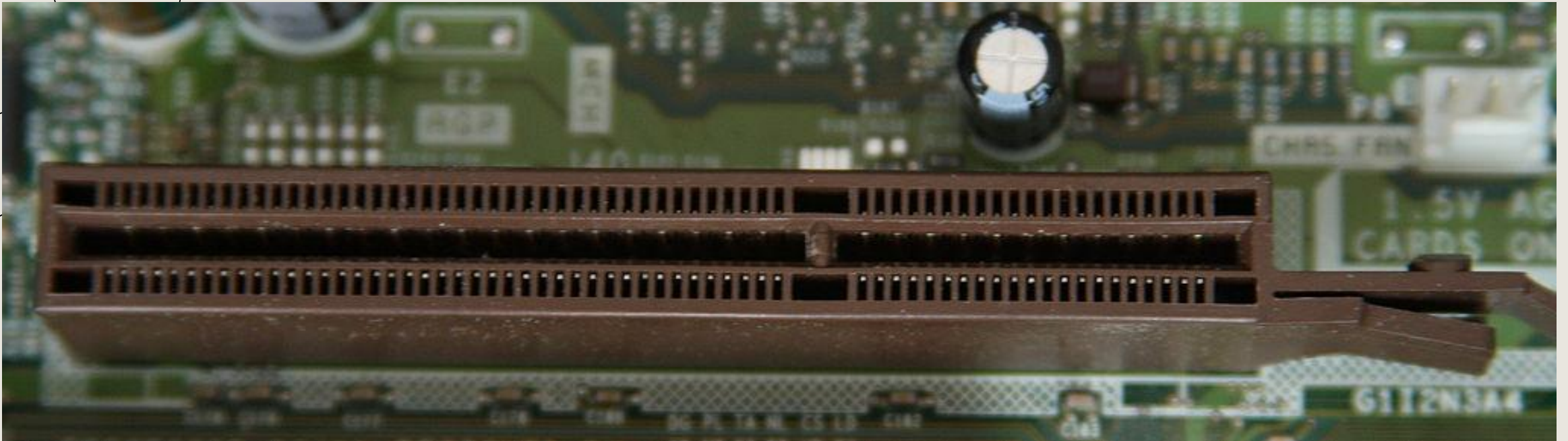


AMD

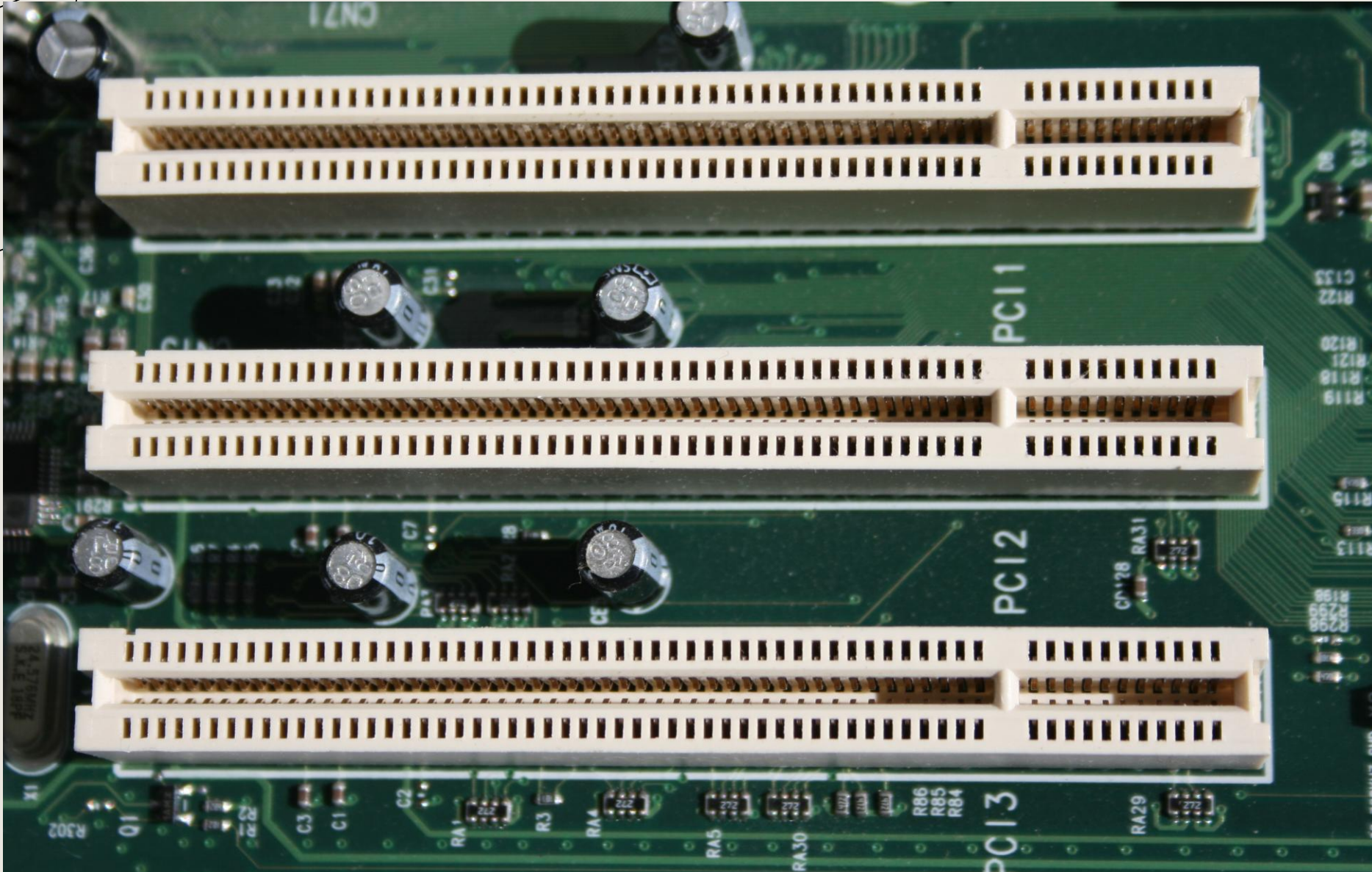
RAM Slot



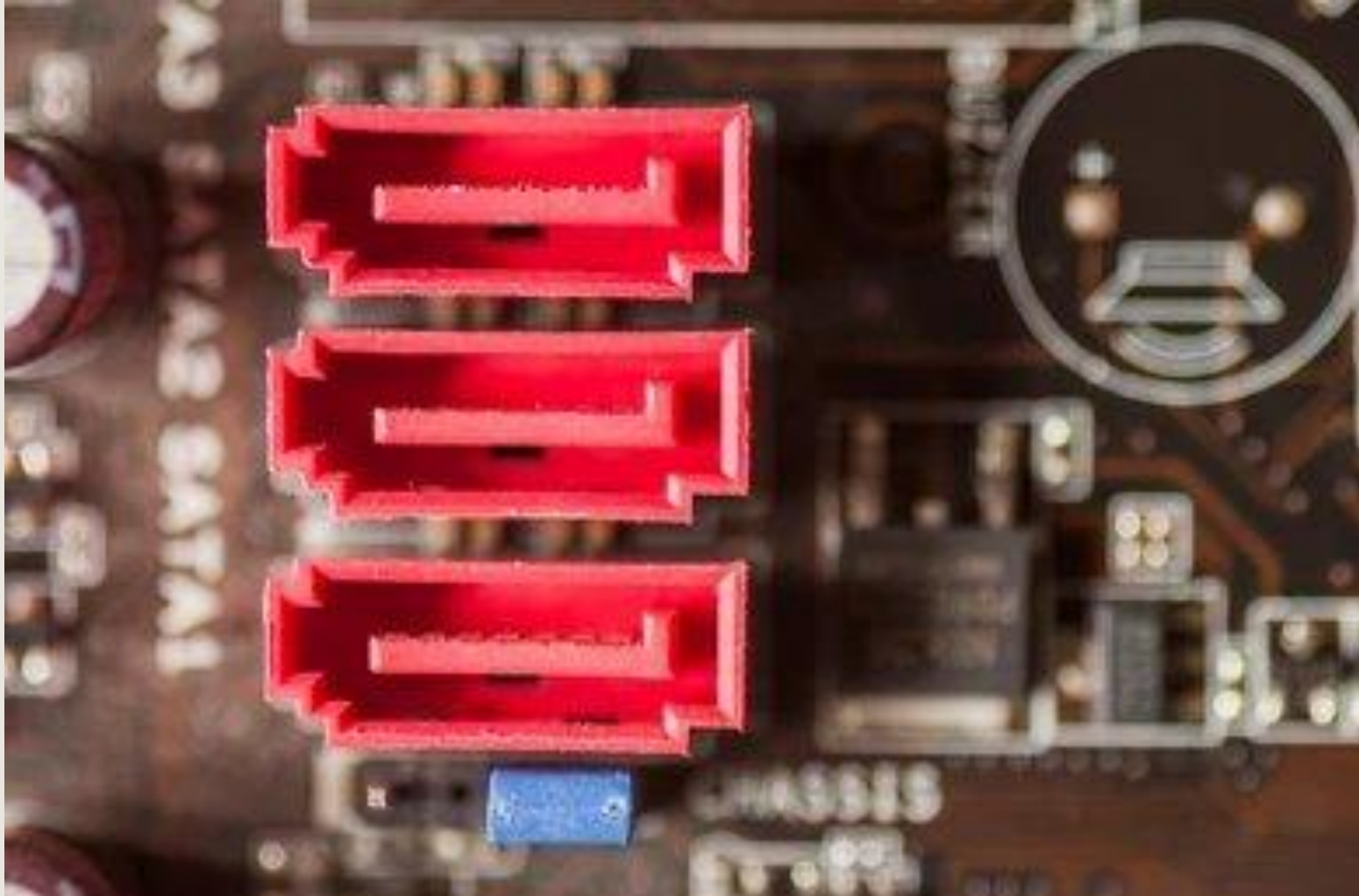
AGP Slot



Peripheral Component Interconnect (PCI) Slot



SATA Slot

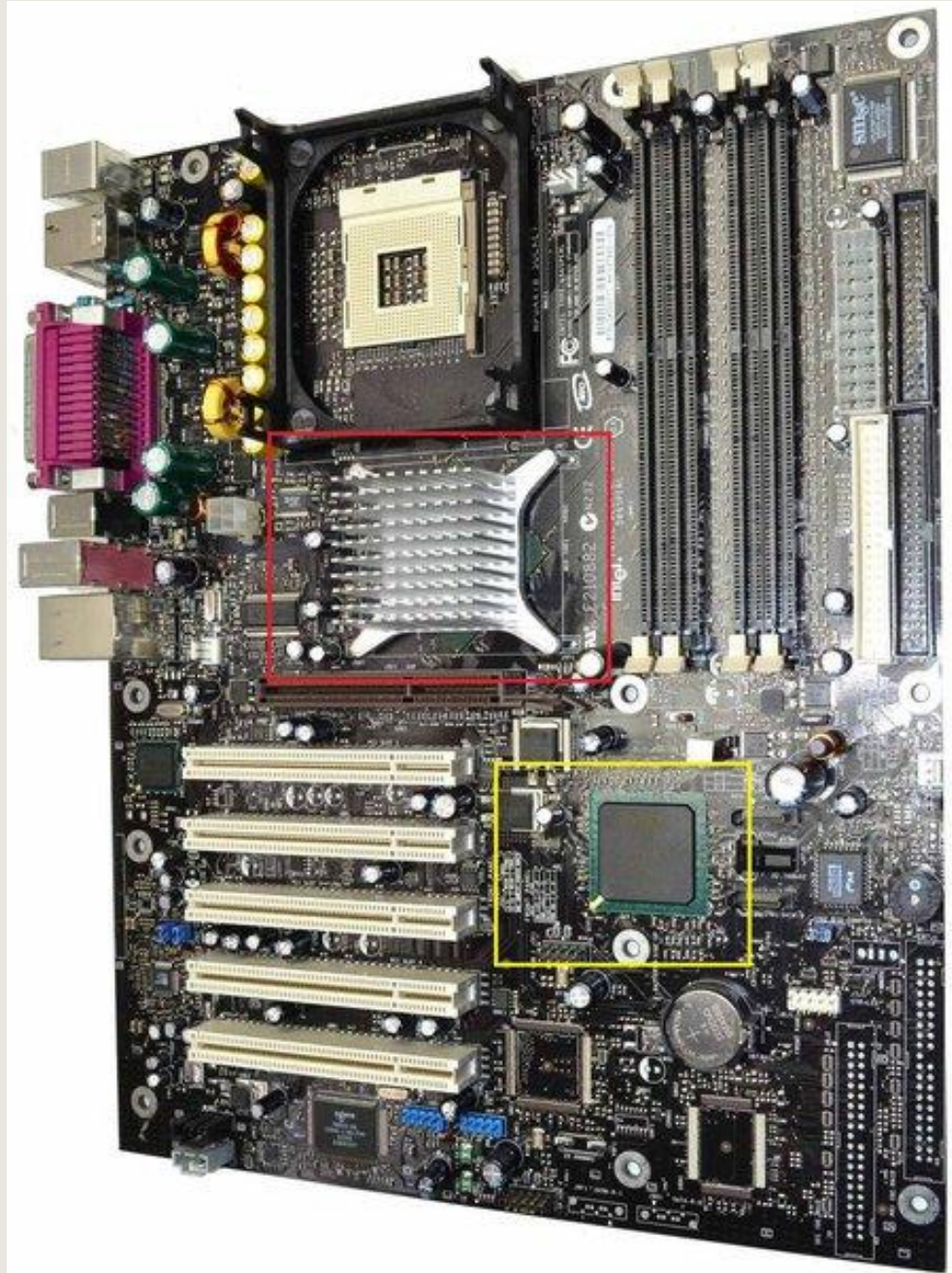


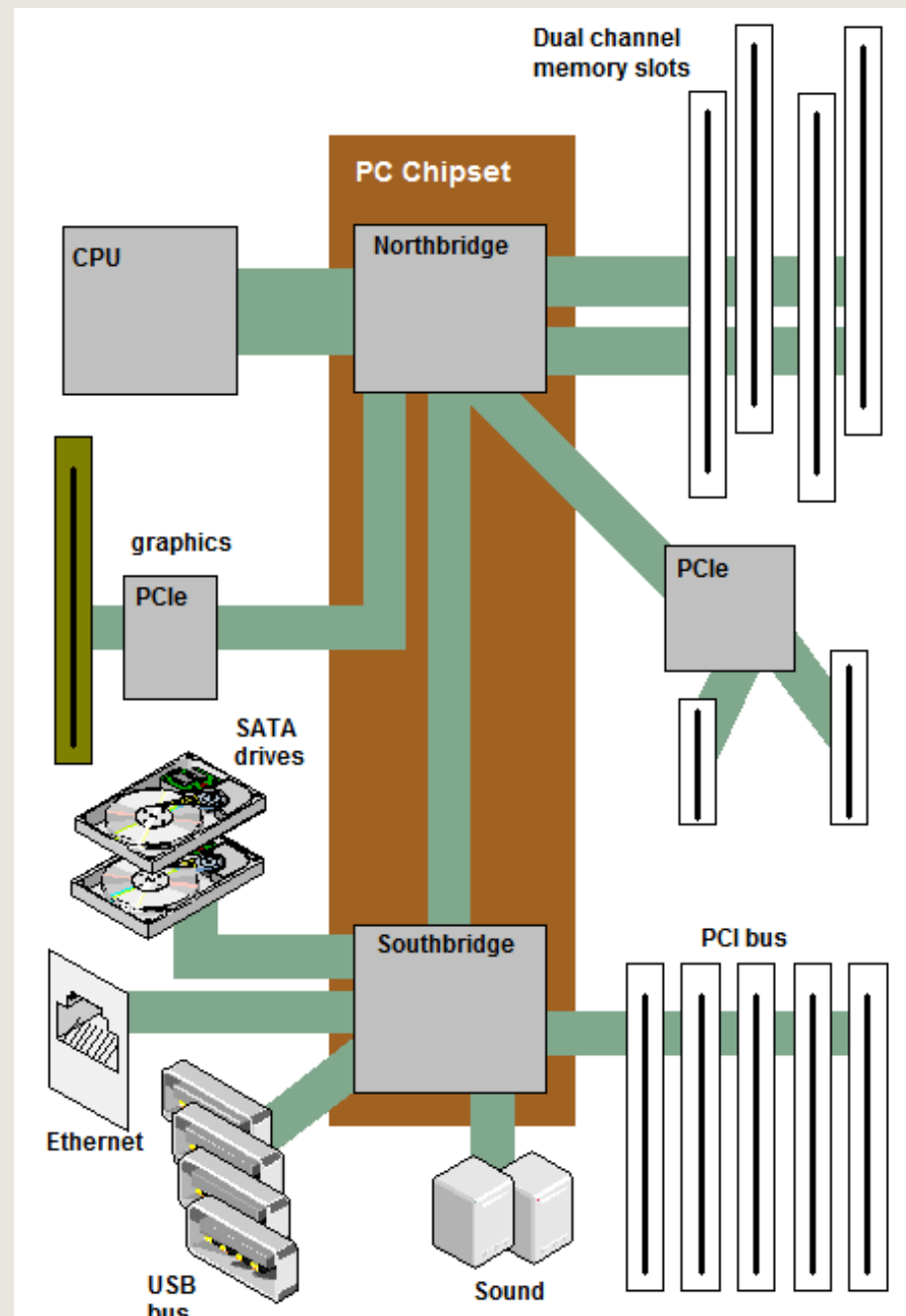
Northbridge



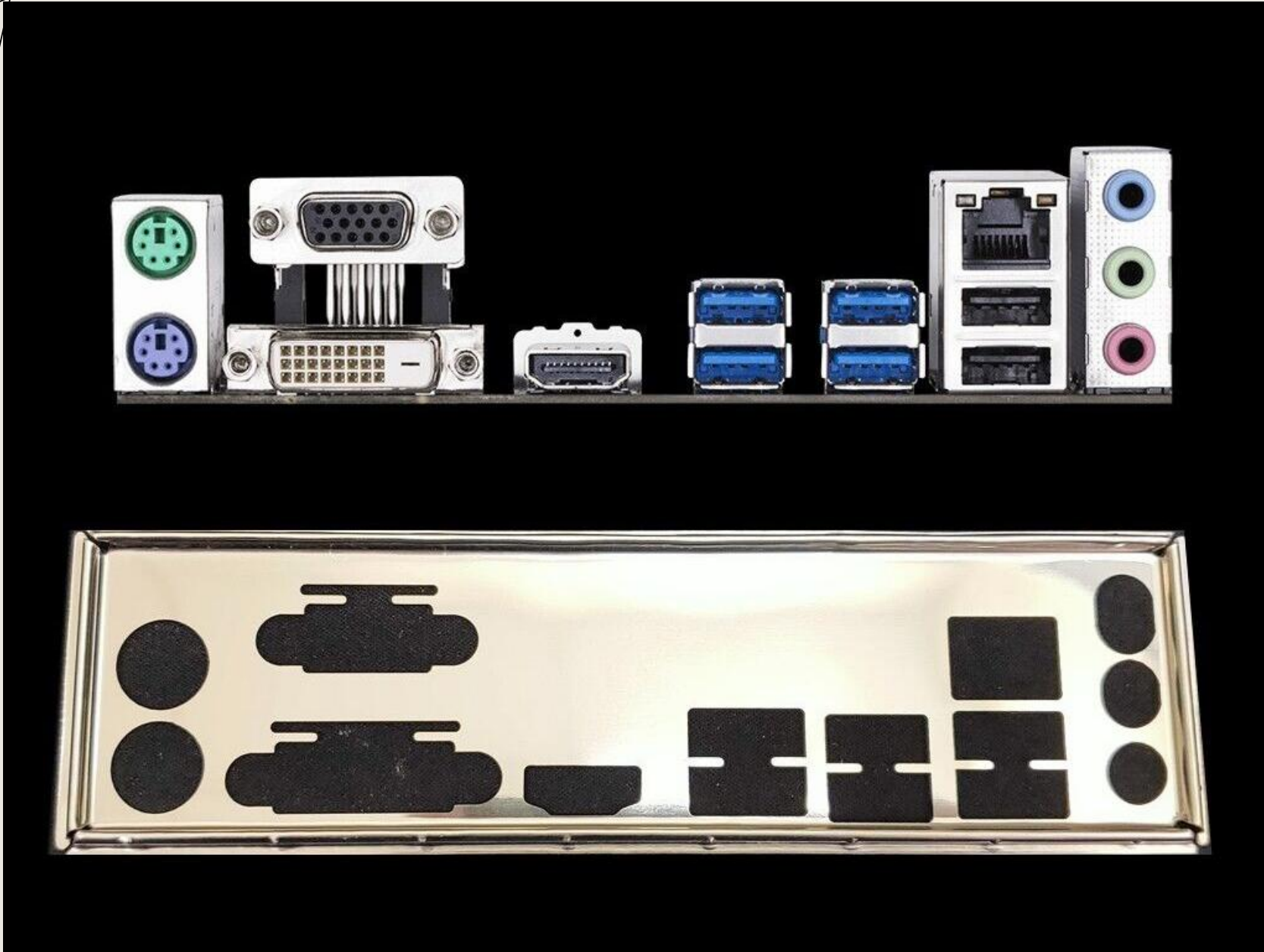
Southbridge



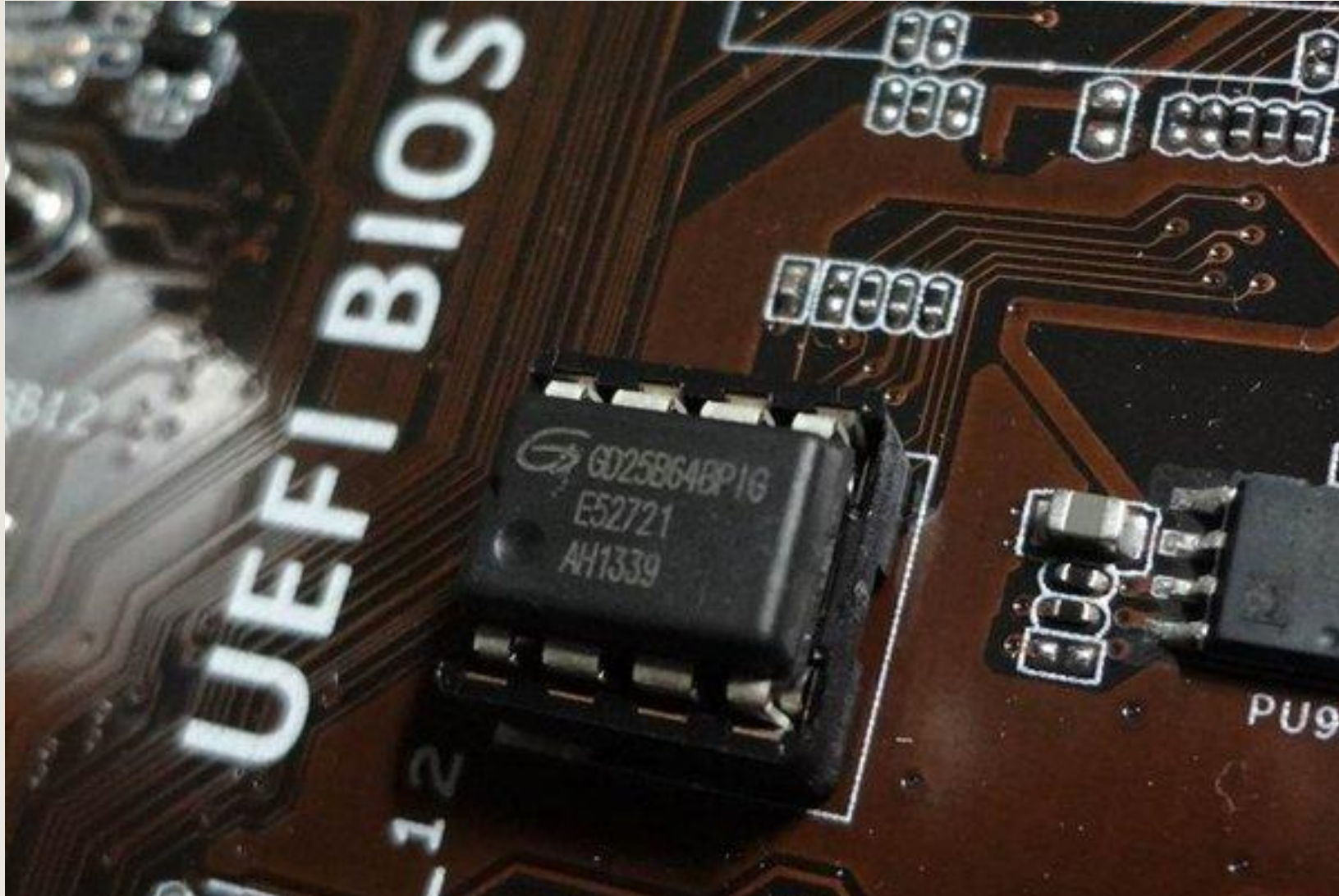




Back Panel



(BIOS) Basic Input / Output System Chip



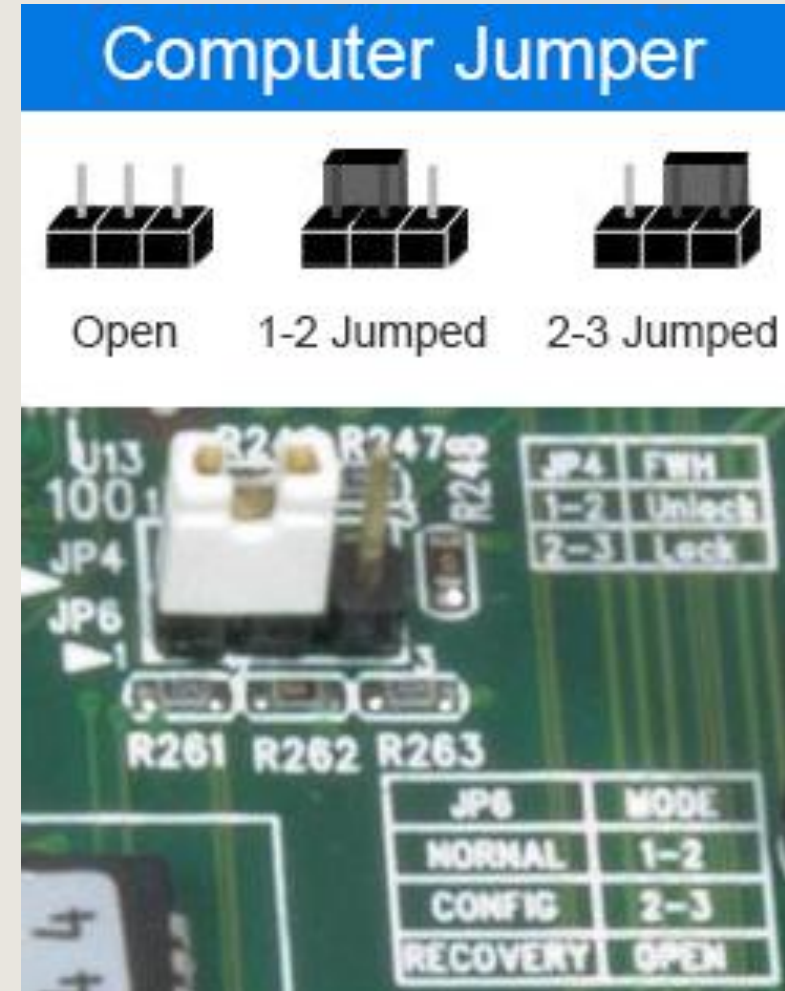
BIOS vs UEFI

Feature	BIOS (Basic Input/Output System)	UEFI (Unified Extensible Firmware Interface)
Architecture	Legacy, 16-bit	Modern, 32-bit or 64-bit
Boot Time	Slower, requires a Power-On Self-Test (POST)	Faster, no lengthy POST process
Storage Support	Limited to MBR (Master Boot Record) partitioning, 2.2 TB limit	Supports both MBR and GPT (GUID Partition Table) partitioning, larger drives
User Interface	Text-based, keyboard navigation	Graphical, mouse and keyboard navigation
Security	Basic password protection	Secure Boot, prevents unauthorized software from booting
Partitioning	Uses MBR, limits partitions to four primary partitions	Uses GPT, supports up to 128 partitions

CMOS Battery
(Complementary Metal-Oxide
Semiconductor)



Motherboard Jumper



Reset BIOS Password





A series of white, thin, overlapping geometric lines on a black background, forming a complex, abstract shape on the left side of the slide.

THANK YOU