

Материнская плата

Лекцию подготовил
преподаватель
Тукубаев А.С.

Конспект лекции <http://fro.kz/vtsh/>

GIGABYTE™

UNLOCKED PERFORMANCE



Insist on **Ultra Durable**

Designed for Overclocking
AMD A-Series APUs and for use
in Water Cooled Systems

Best Of
COMPUTEX
2012
Tom's hardware



Industry Leading 60A Rated Power Stage with
Lower Losses, Higher Efficiency and Excellent
Thermal Management



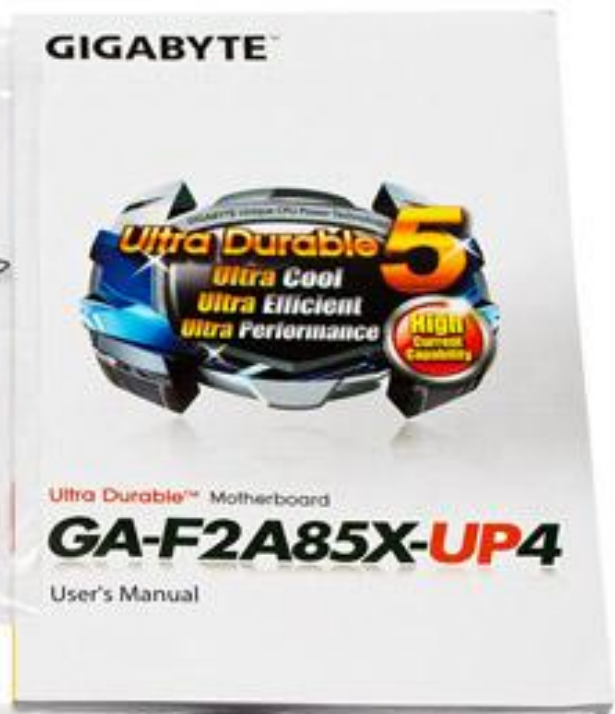
Ultra Durable™ Motherboard (Socket FM2)

F2A85X-UP4



OVERCLOCKERS.UA

001

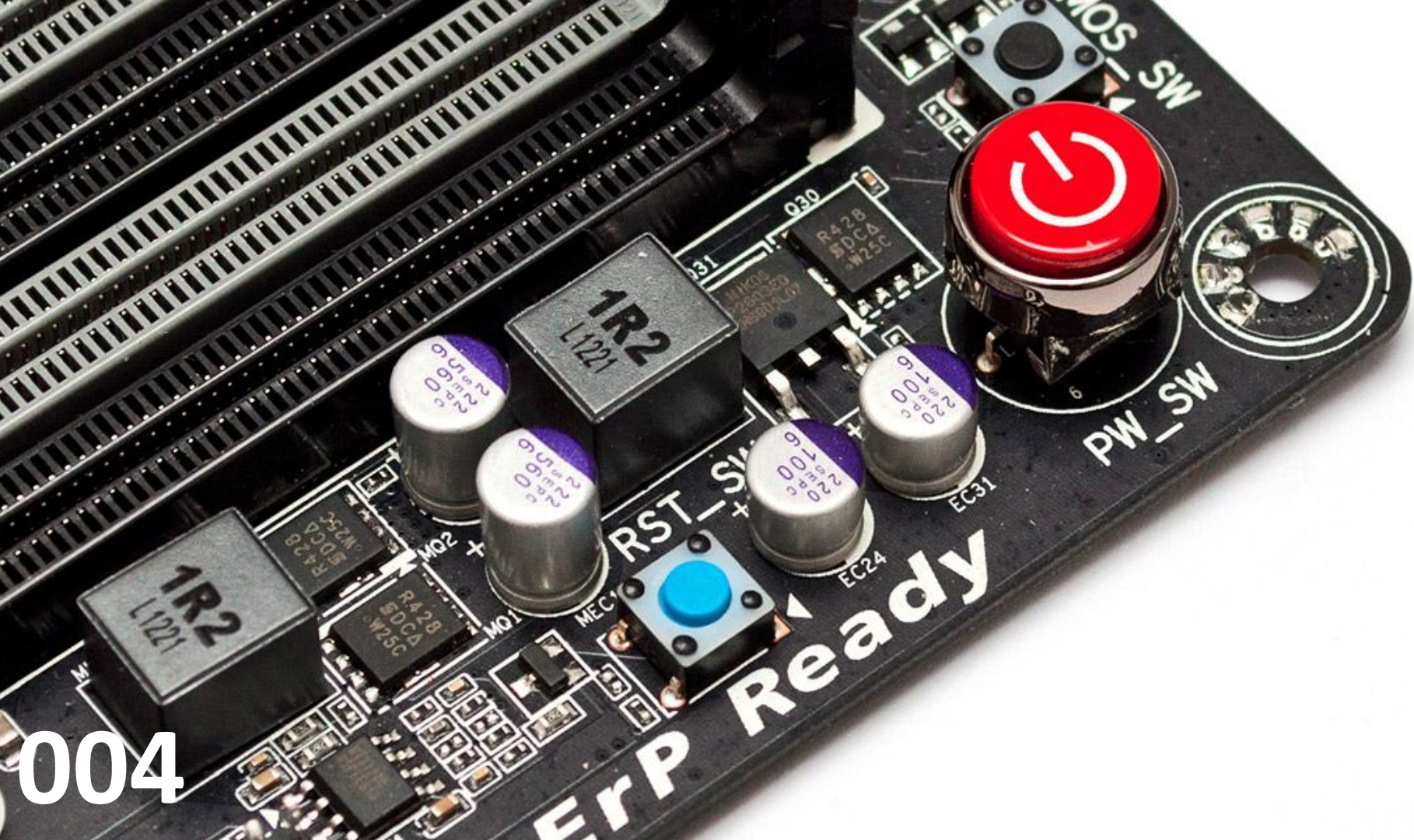


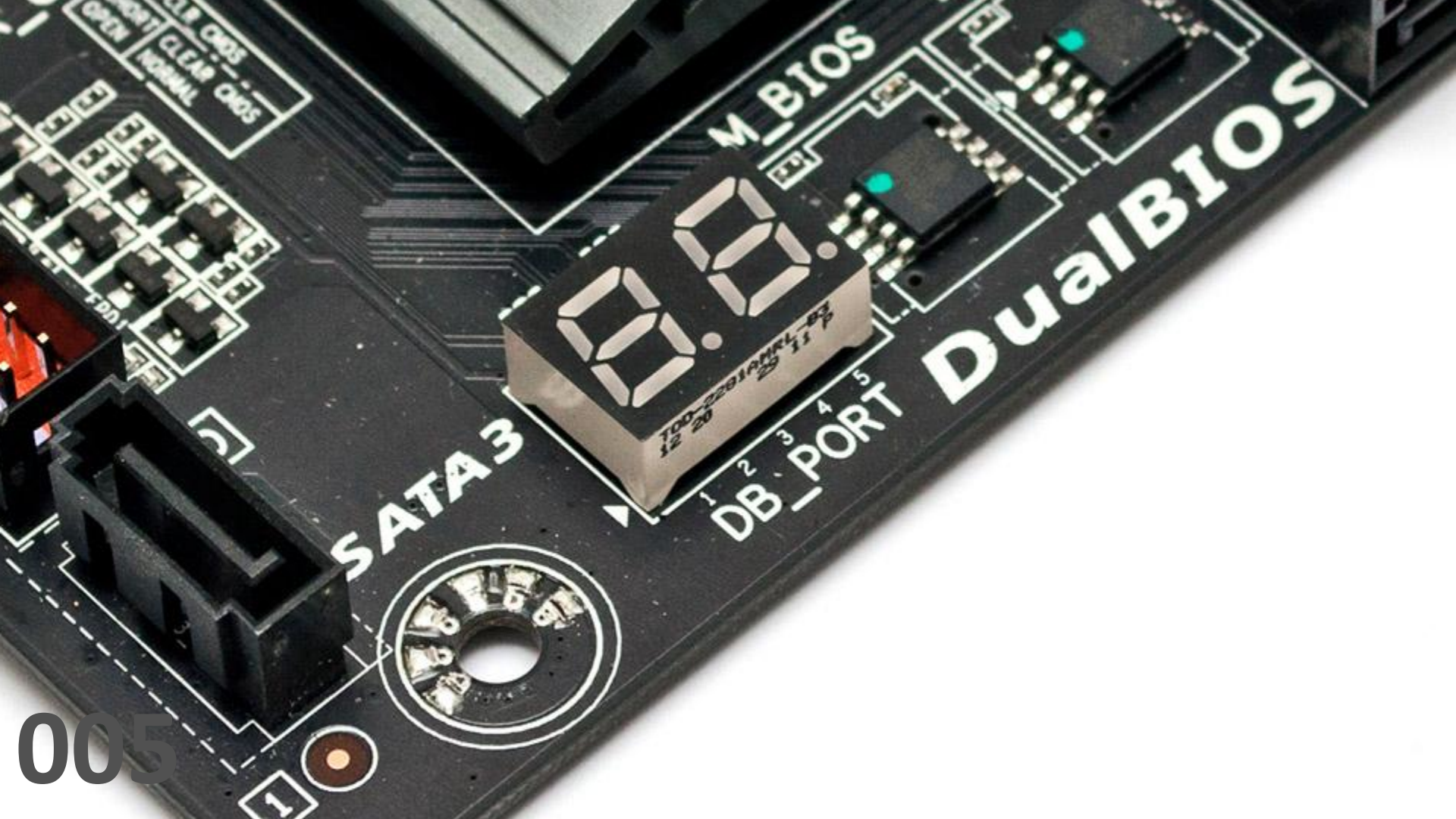
002



003

004





005

GIGABYTE

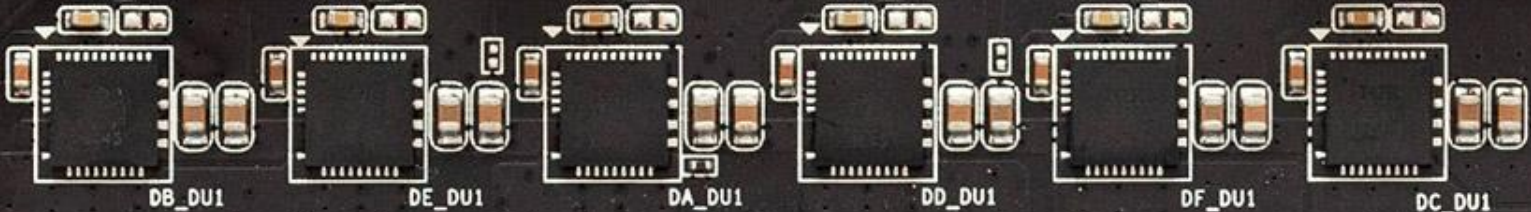
CLR_CMOS

SHORT	CLR_CMOS
OPEN	CLEAR_CMOS
	NORMAL

M_BIOS B_BIOS SATA

006

FAN



DB_DU1

DE_DU1

DA_DU1

DD_DU1

DF_DU1

DC_DU1



EC16



DB_DL1



DEC5



DE_DL1



DEC7



DA_DL1



DEC10



DD_DL1



DEC12



DF_DL1



DC_DL1



DEC6



DG_DL1

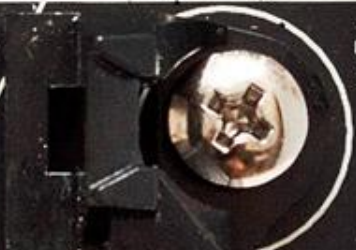


NBEC1



NBEC1

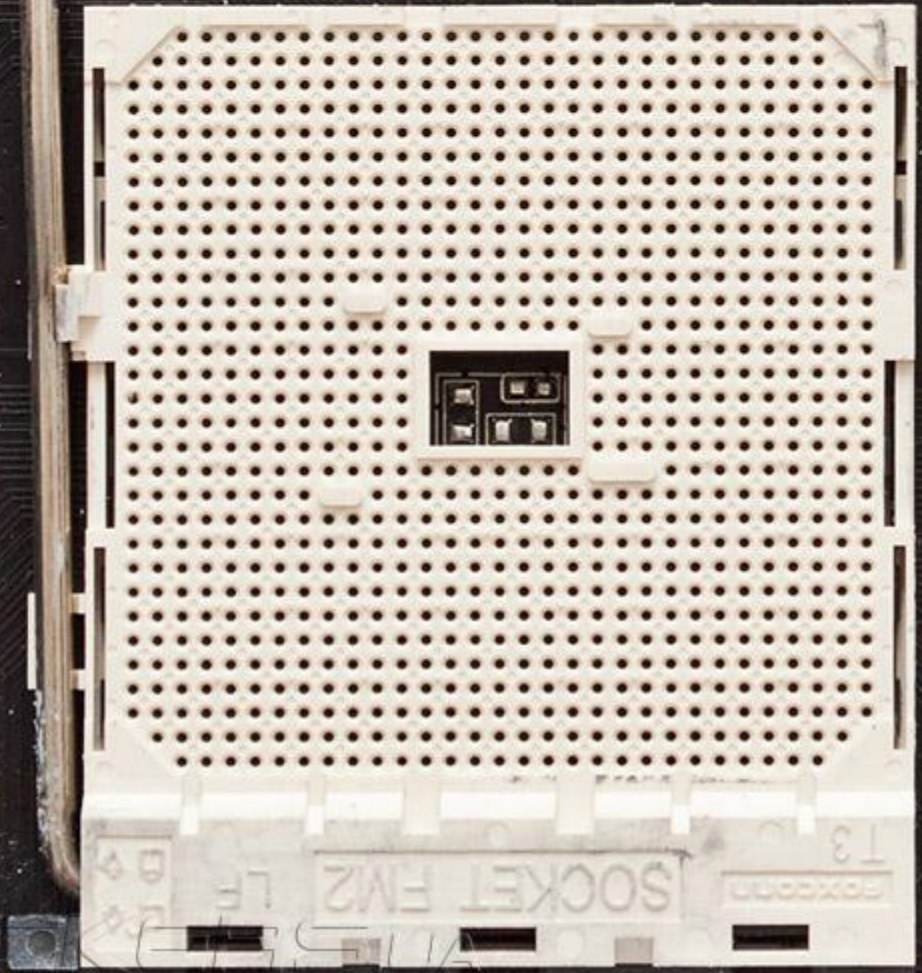
DH_DL1



007

800

AMCO



SOCKET FM2 LF

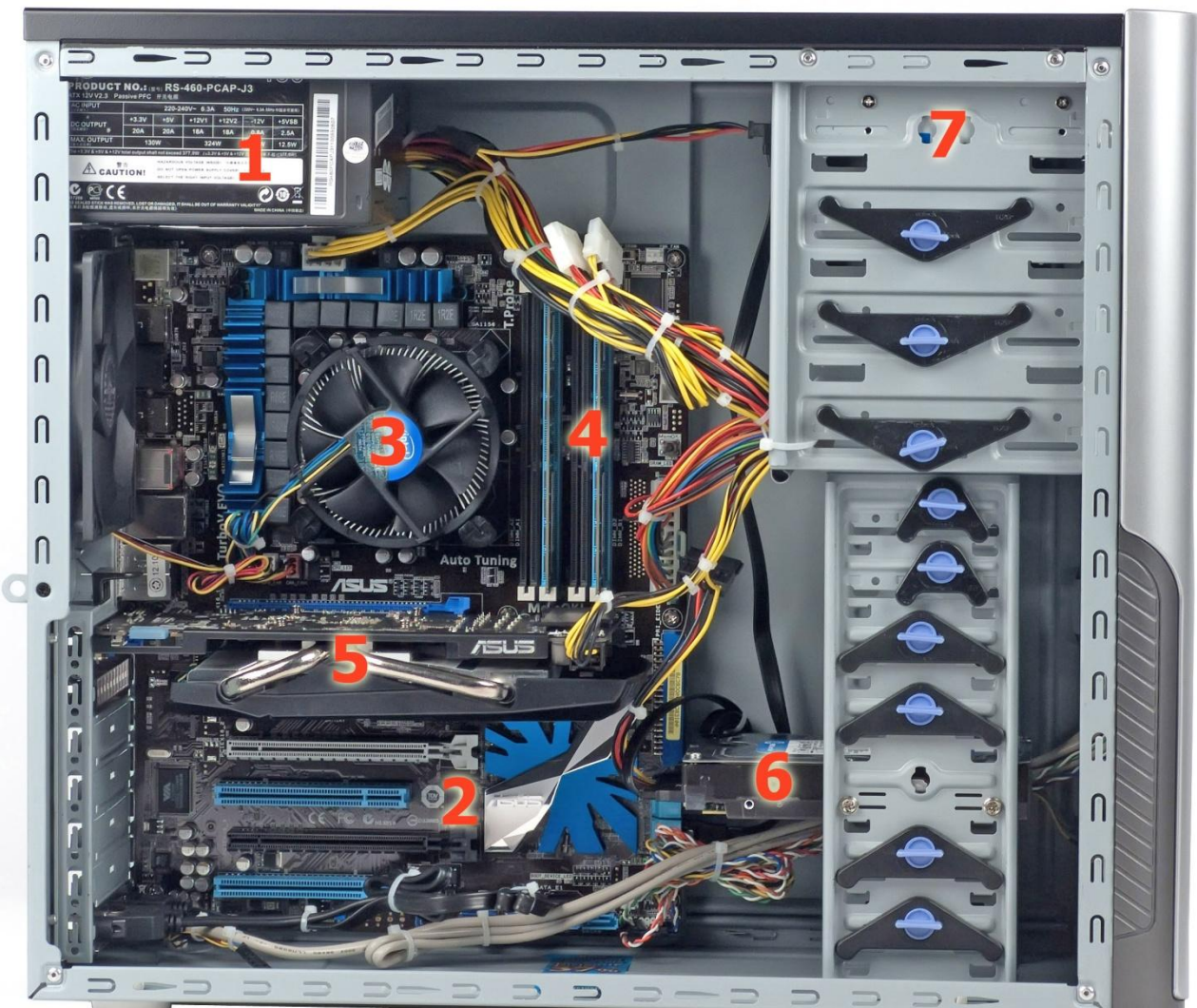
SOXCON T3

AMCO



009

010



PRODUCT NO.: (型号) RS-460-PCAP-J3

ATX 12V V2.3 Passive PFC 开关电源

DC OUTPUT (DC输出)	+3.3V	+5V	+12V1	+12V2	-12V	+5VSB
MAX. OUTPUT (最大输出)	20A	20A	18A	18A	0.8A	2.5A

130W 324W 12.5W

The +3.3V & +5V & +12V total output shall not exceed 377.0W. (+3.3V & +5V & +12V)

CAUTION! 警告! HAZARDOUS VOLTAGE. (警告: 有电危险) DO NOT OPEN POWER SUPPLY COVER. (请勿打开电源供应器盖) SELECT THE RIGHT INPUT VOLTAGE. (请选择正确的输入电压)

CE 17260 MADE IN CHINA (中国制造)

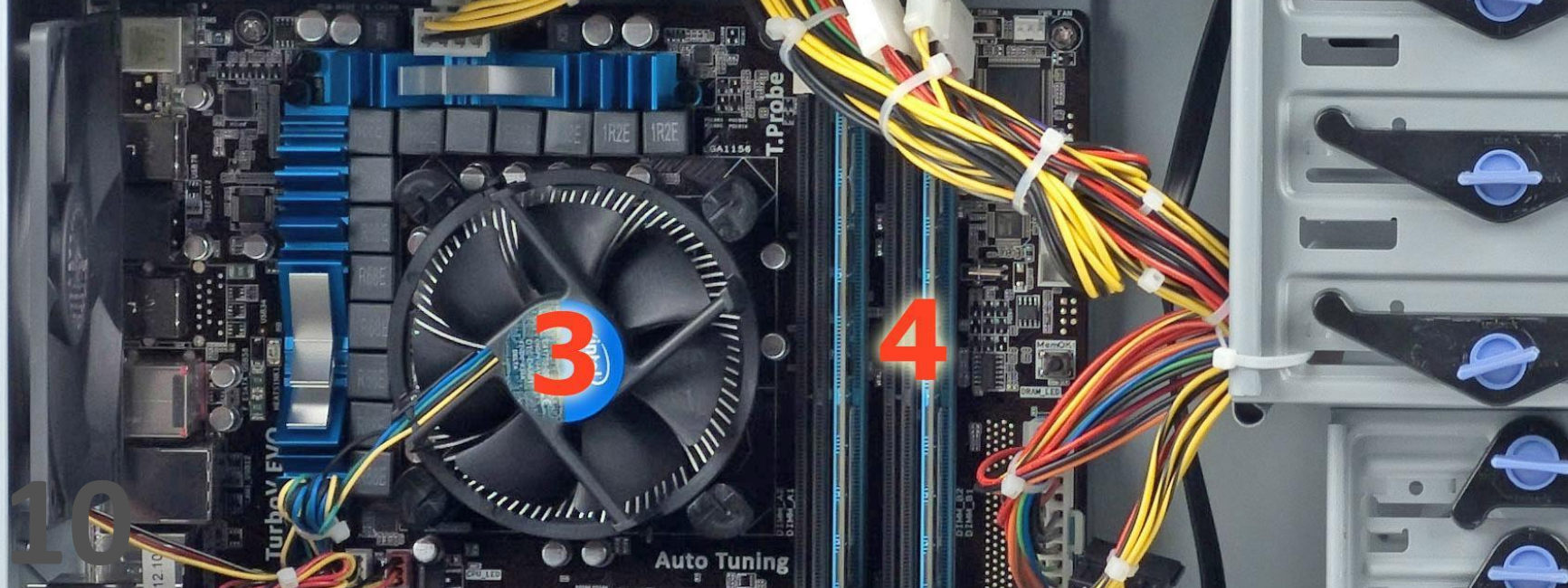
1

7

4

3

10



PRODUCT NO.: (型号) RS-460-PCAP-J3

ATX 12V V2.3 Passive PFC 开关电源

AC INPUT (规格)	220-240V~ 6.3A 50Hz (220V~6.3A 50Hz 中国专用规格)					
DC OUTPUT (规格)	+3.3V	+5V	+12V1	+12V2	-12V	+5VSB
	20A	20A	18A	18A	0.8A	2.5A
MAX. OUTPUT (最大输出)	130W		324W		12.5W	

*The +3.3V & +5V & +12V total output shall not exceed 377.5W. (+3.3V & +5V & +12V)

CAUTION! 警告! HAZARDOUS VOLTAGE. (警告: 危险电压) DO NOT OPEN POWER SUPPLY COVER. (请勿打开电源供应器盖) SELECT THE RIGHT INPUT VOLTAGE. (请选择正确的输入电压)

CE 17260 100% REPAIRED STICK WAS REMOVED, LOST OR DAMAGED, IT SHALL BE OUT OF WARRANTY VALIDITY! (修复过的内存条, 丢失或损坏, 将不在保修范围内) MADE IN CHINA (中国制造)

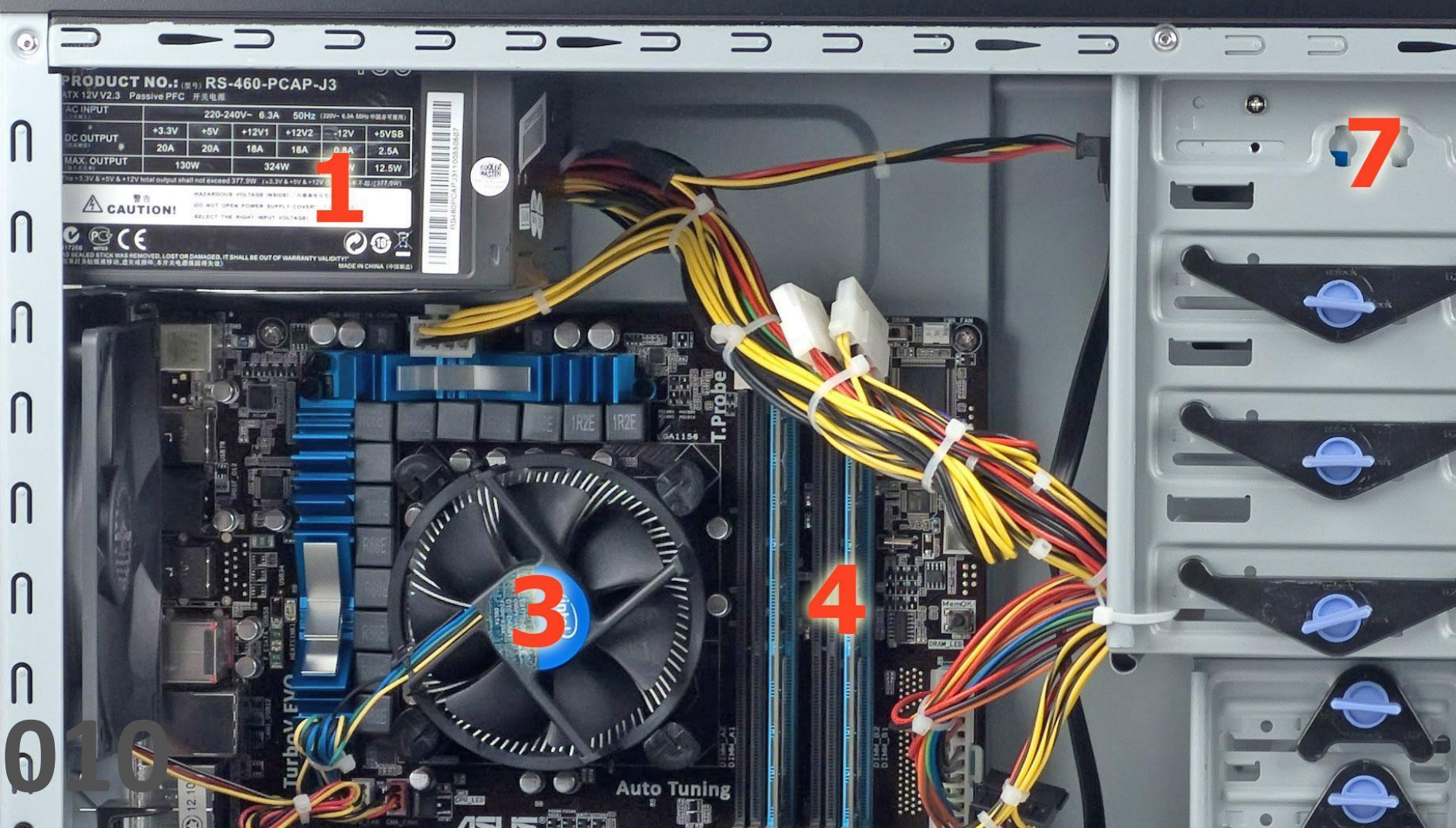
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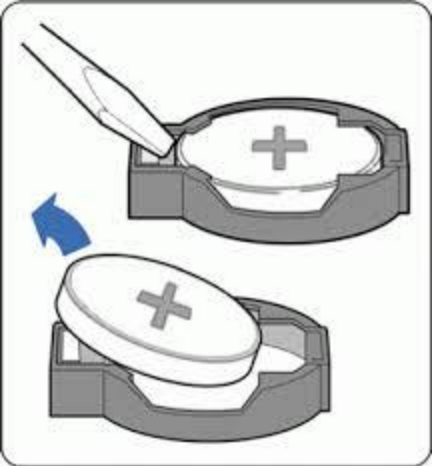
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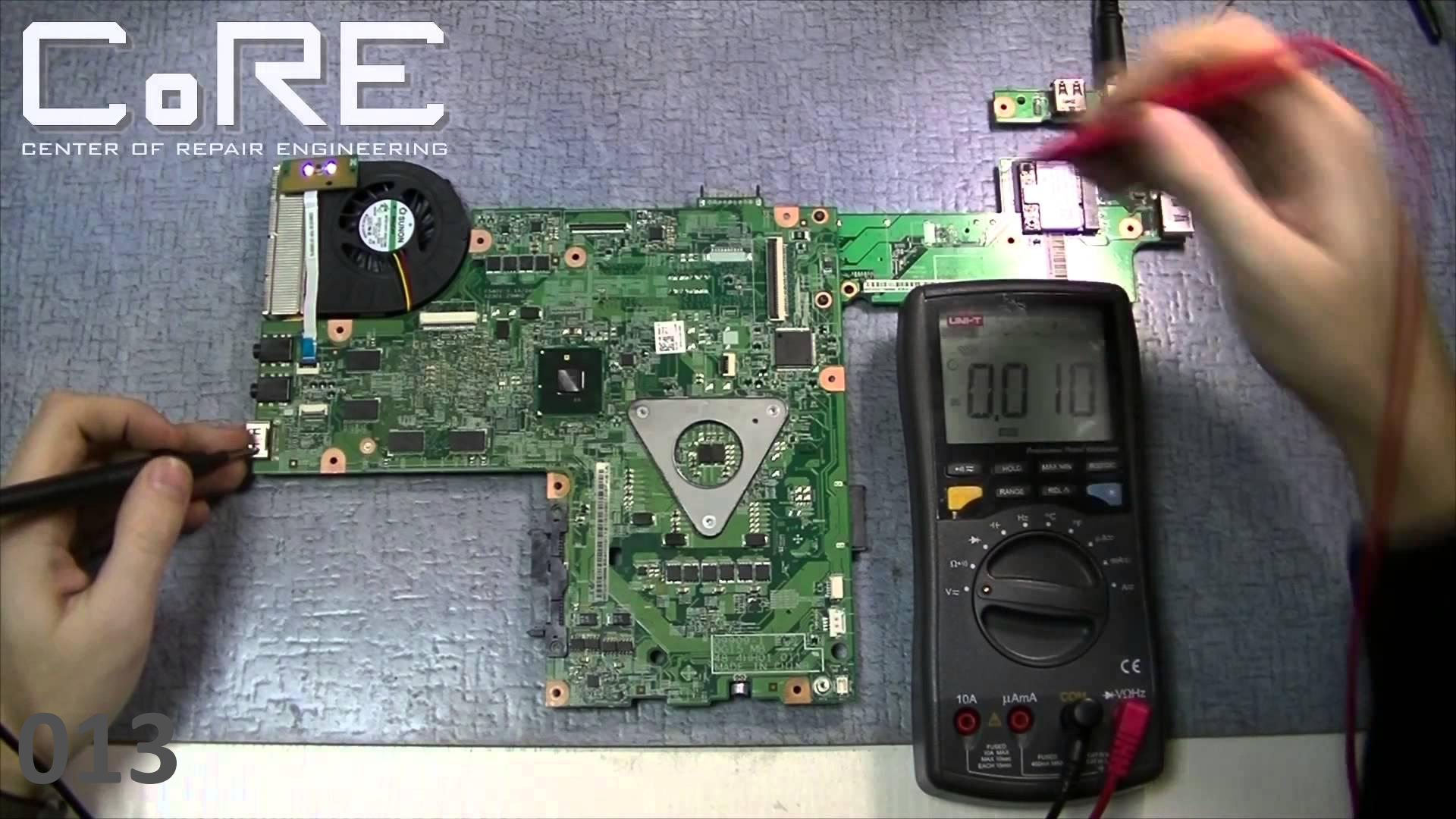
011



012

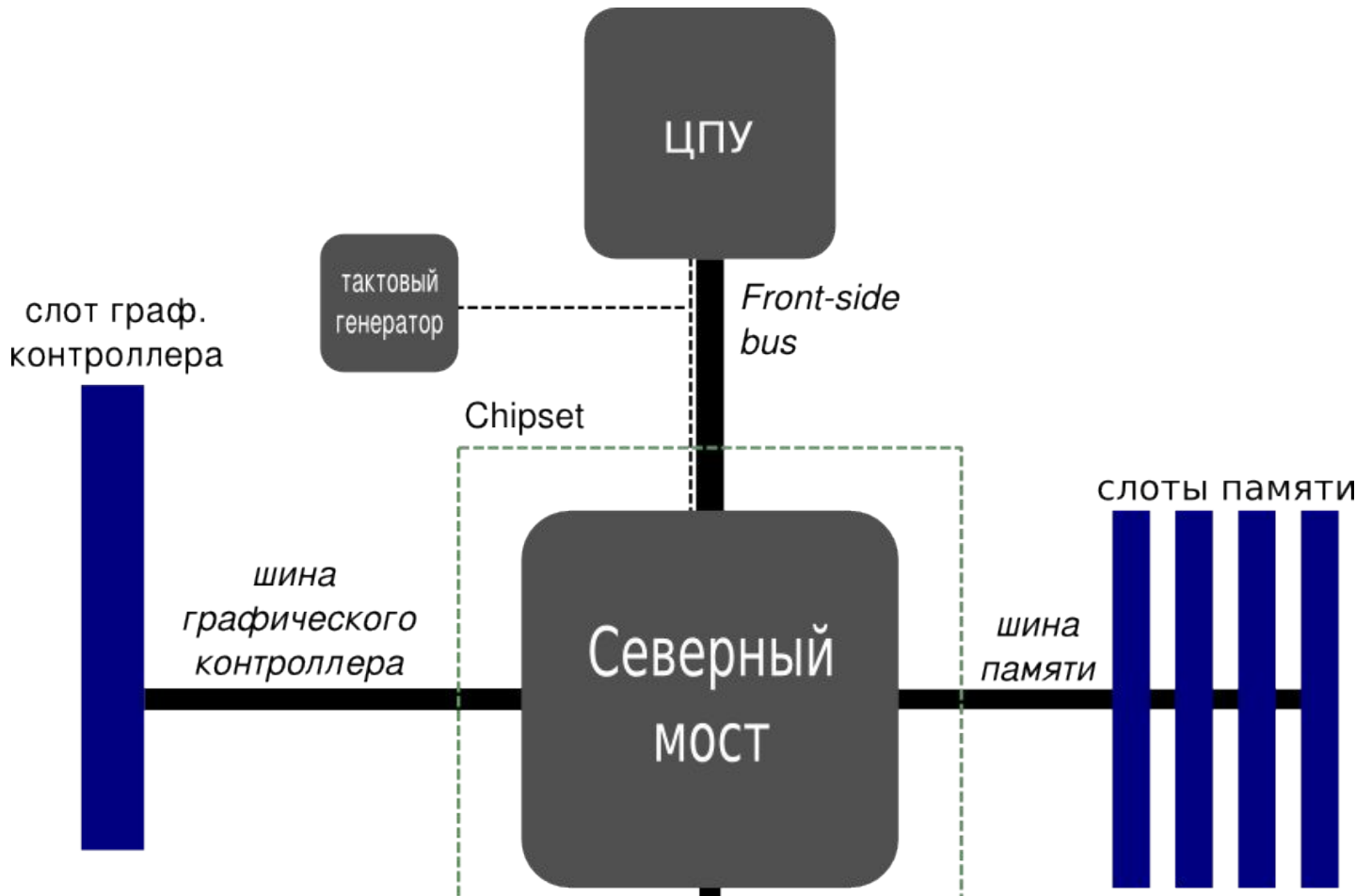
CORE

CENTER OF REPAIR ENGINEERING

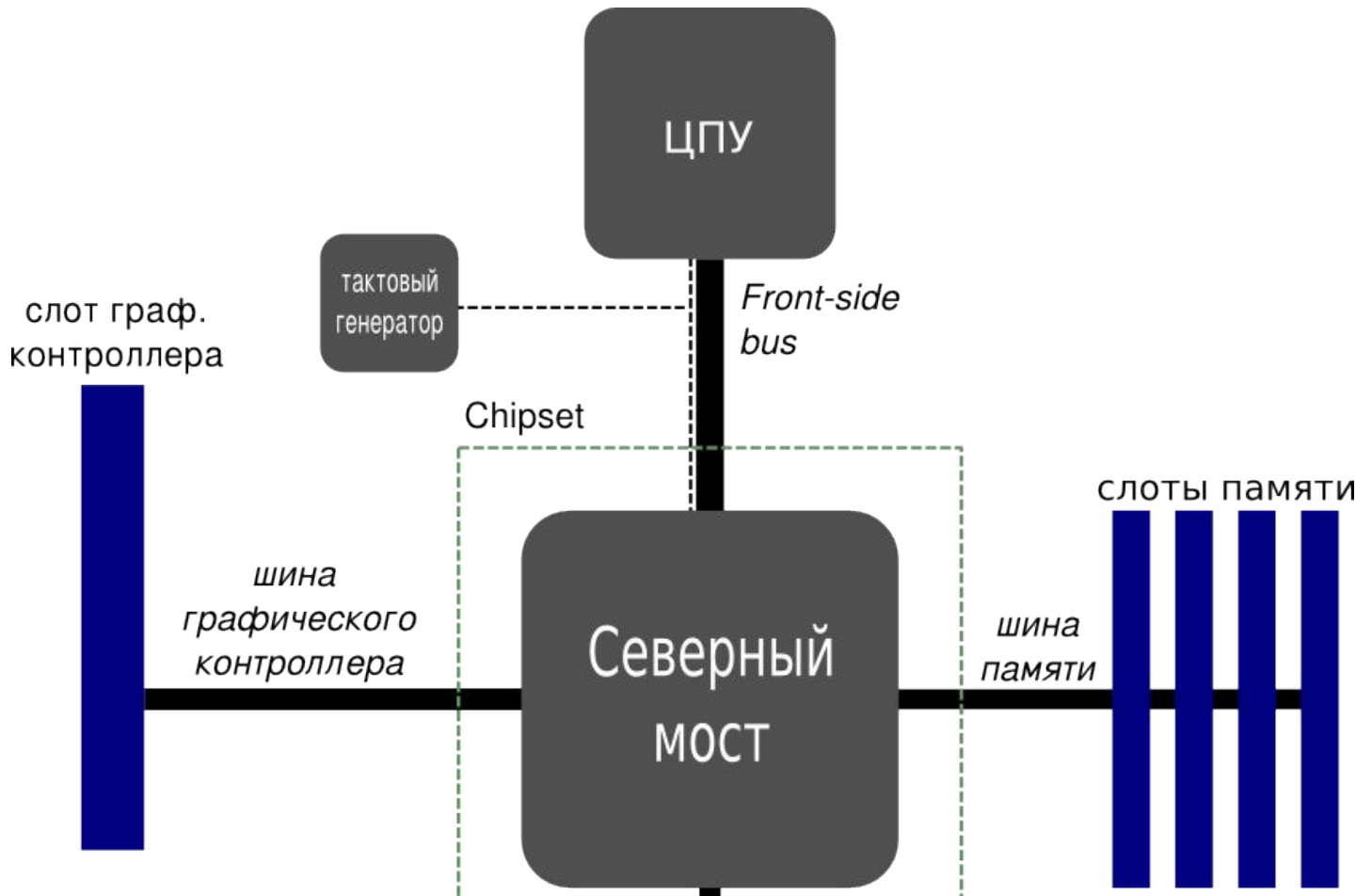


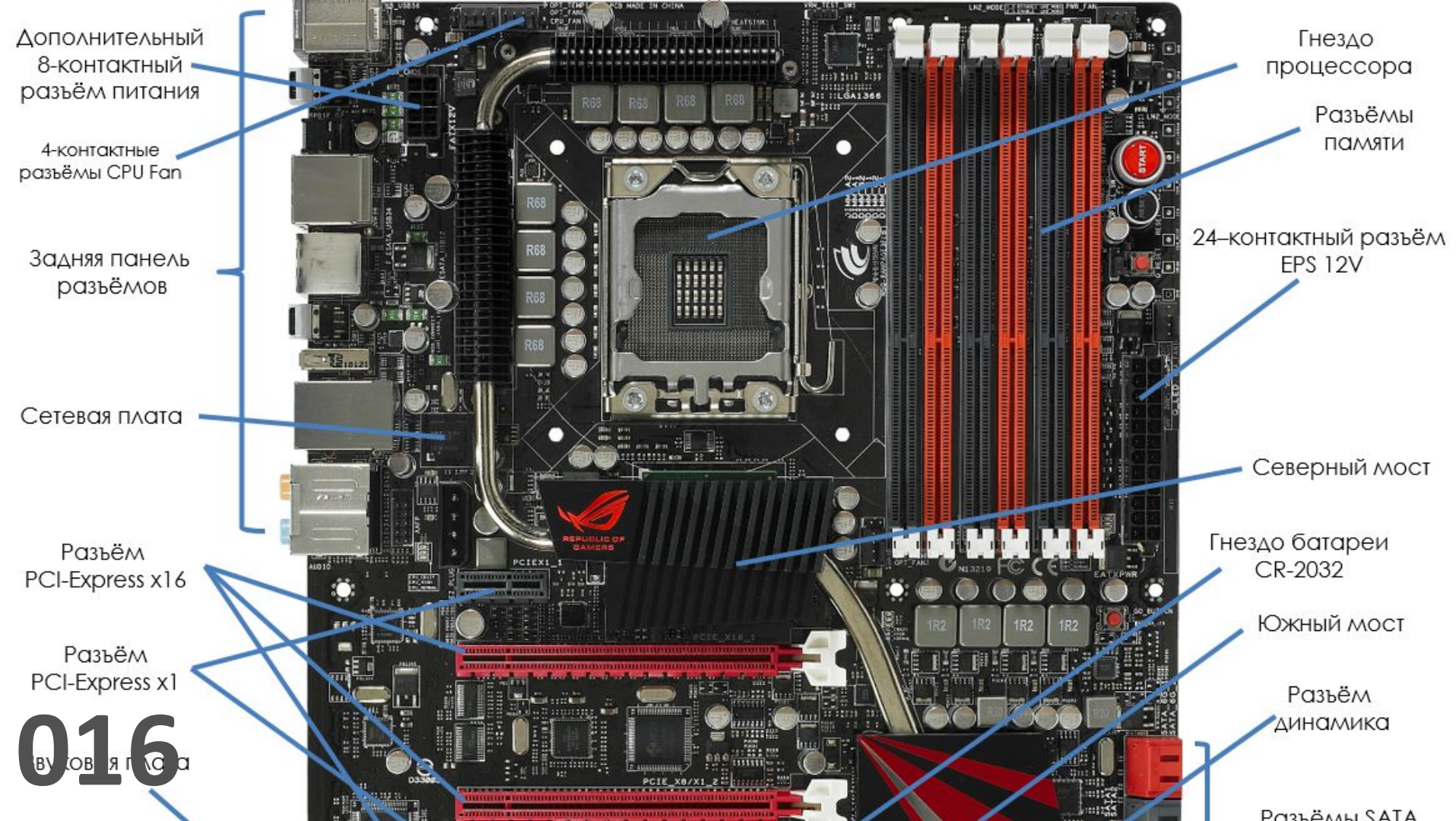
013

015



015





Дополнительный
8-контактный
разъем питания

4-контактные
разъемы CPU Fan

Задняя панель
разъемов

Сетевая плата

Разъем
PCI-Express x16

Разъем
PCI-Express x1

016
ВУЛОВ Я ПУС

Гнездо
процессора

Разъемы
памяти

24-контактный разъем
EPS 12V

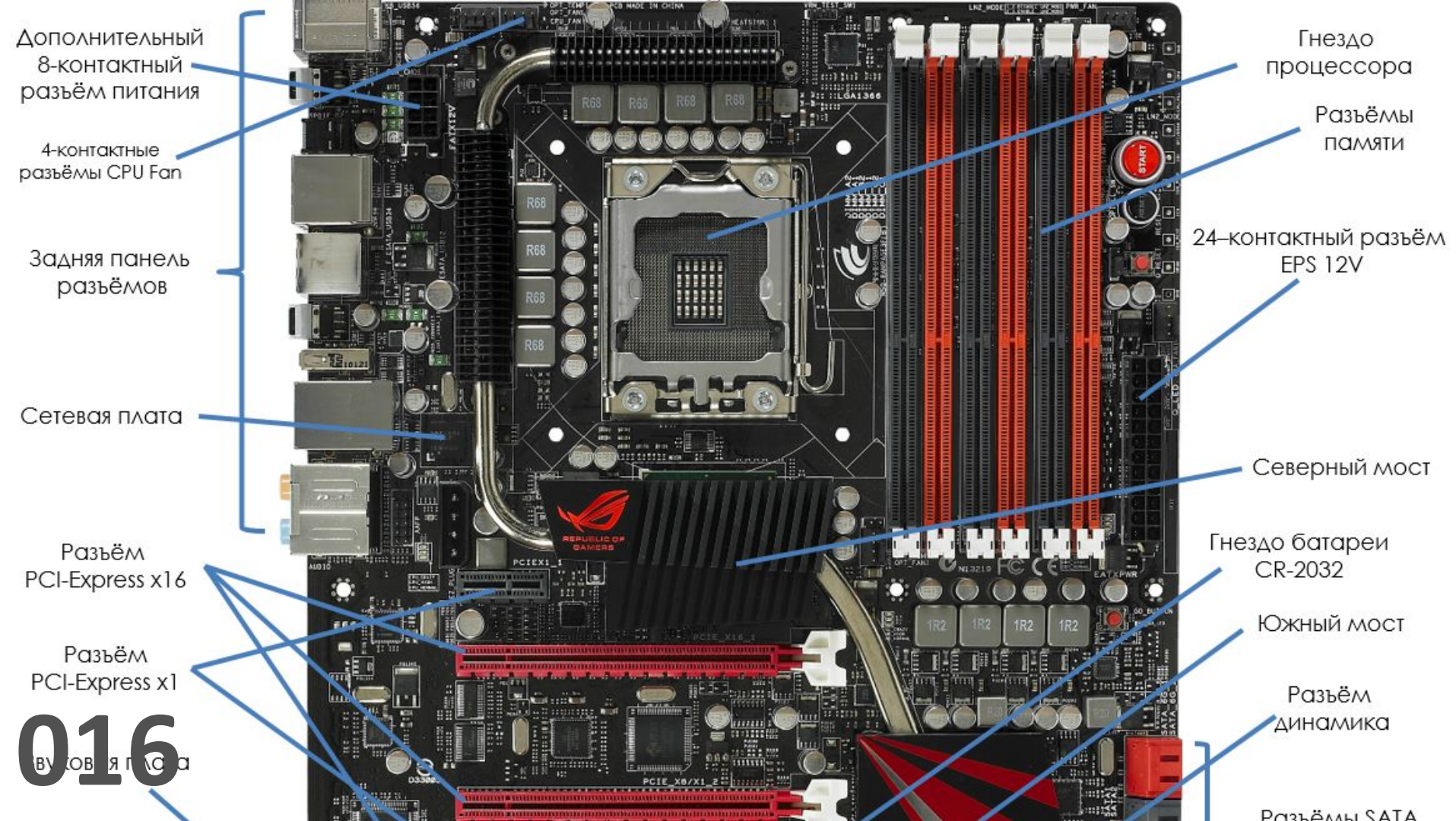
Северный мост

Гнездо батареи
CR-2032

Южный мост

Разъем
динамика

Разъемы SATA



Дополнительный
8-контактный
разъем питания

4-контактные
разъемы CPU Fan

Задняя панель
разъемов

Сетевая плата

Разъем
PCI-Express x16

Разъем
PCI-Express x1

016
ВУЛОВ Я ПУСКО

Гнездо
процессора

Разъемы
памяти

24-контактный разъем
EPS 12V

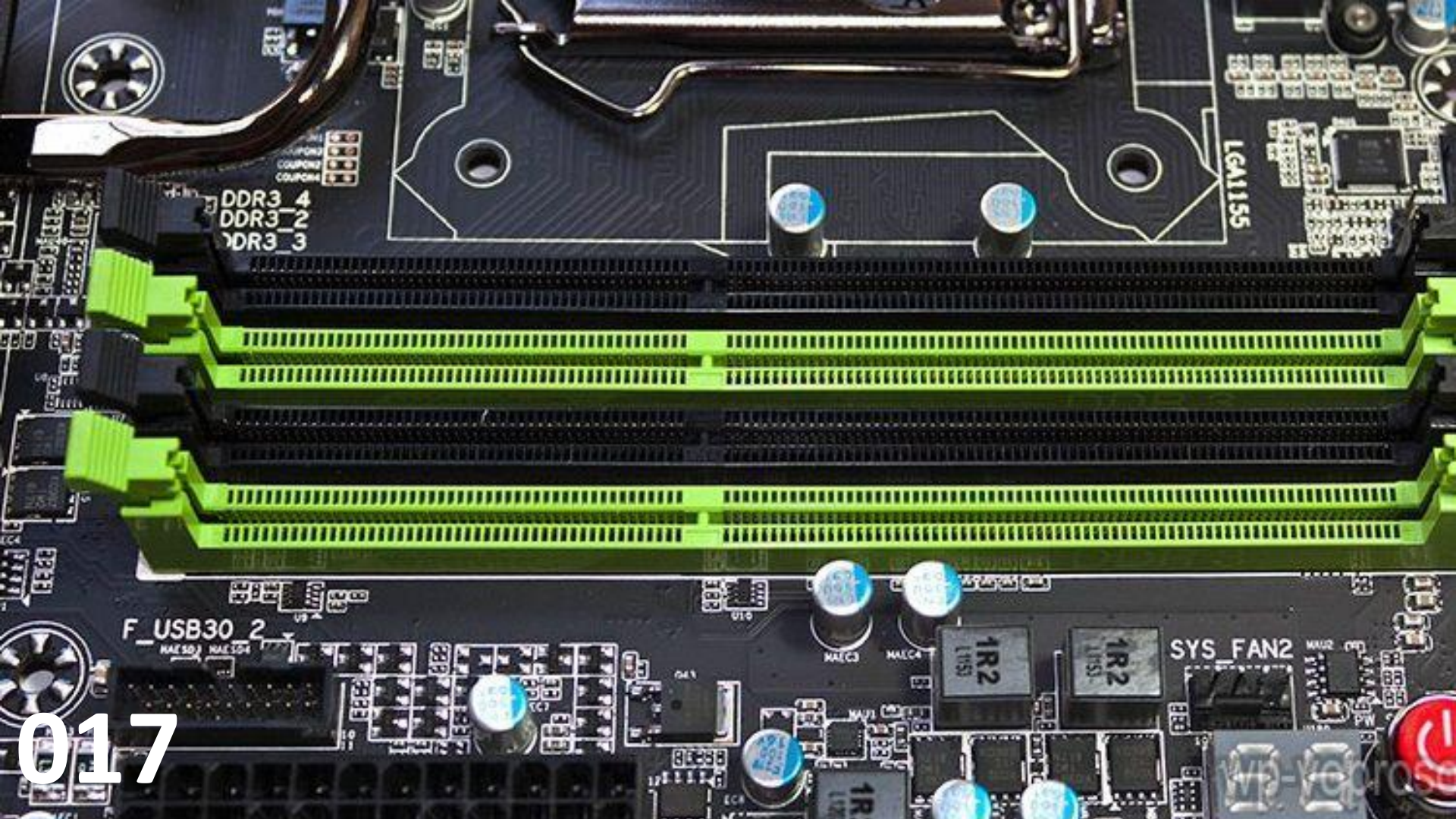
Северный мост

Гнездо батареи
CR-2032

Южный мост

Разъем
динамика

Разъемы SATA



DDR3_4
DDR3_2
DDR3_3

LGA1155

F_USB30_2

MAEC3

MAEC4

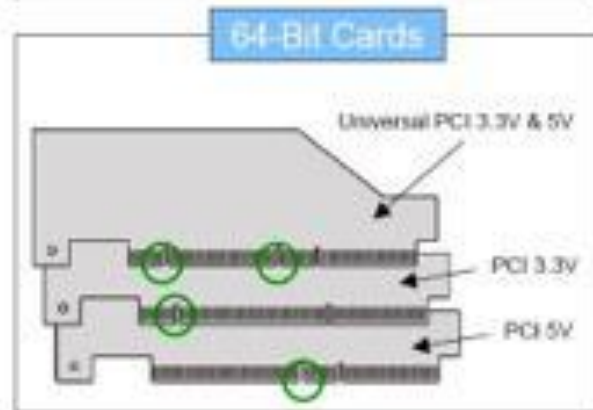
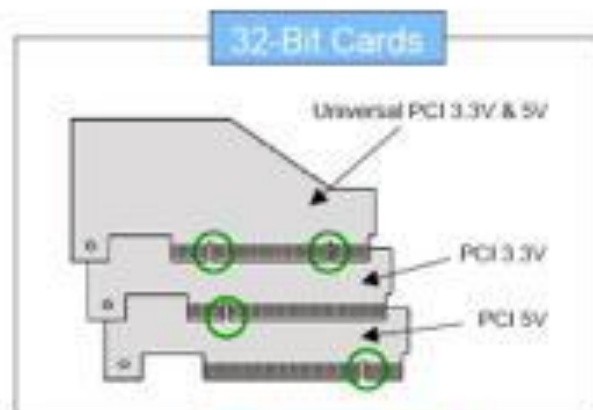
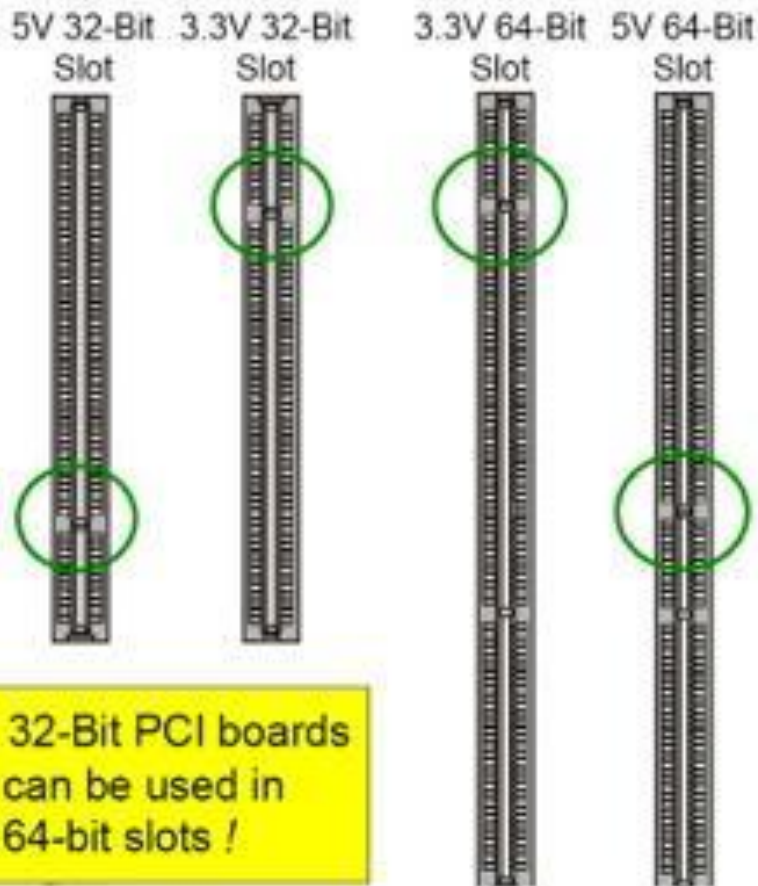
1R2

1R2

SYS_FAN2

017

32-Bit vs 64-Bit Slots/Boards



PCIe x 1



PCIe x 16



PCI



PCI



Phoenix BIOS
D881 BIOS
Phoenix 2008
275086455

019

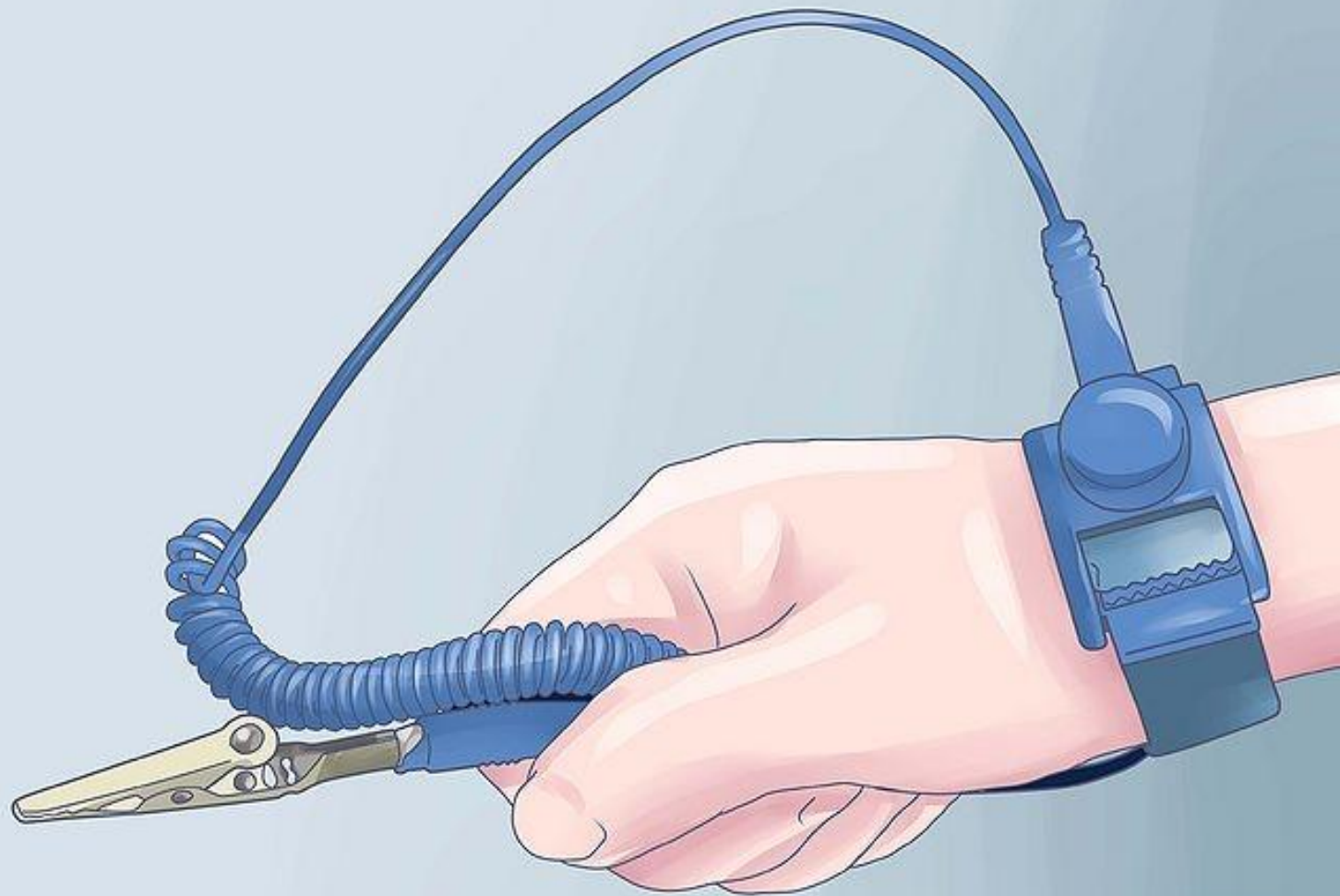


020

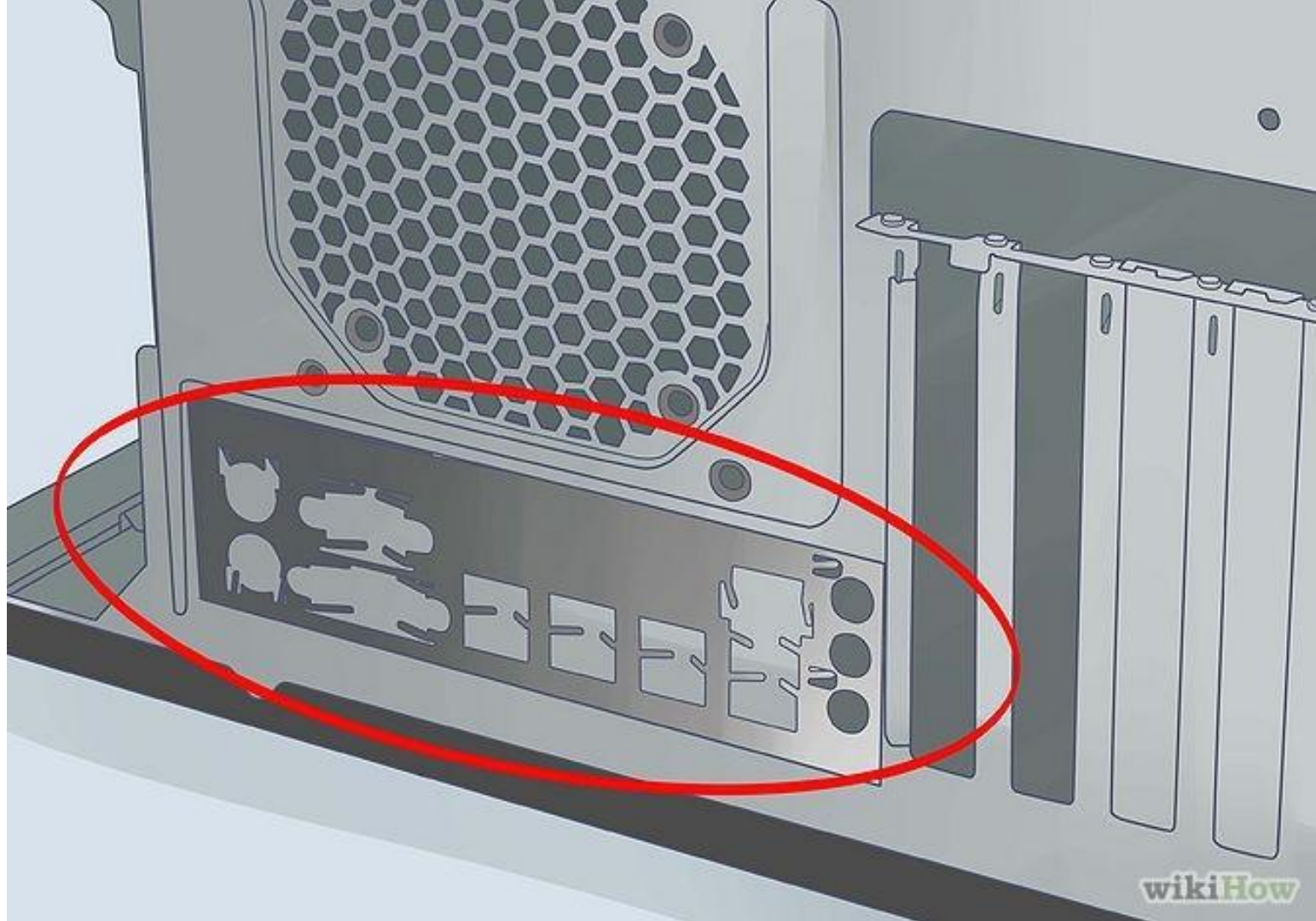
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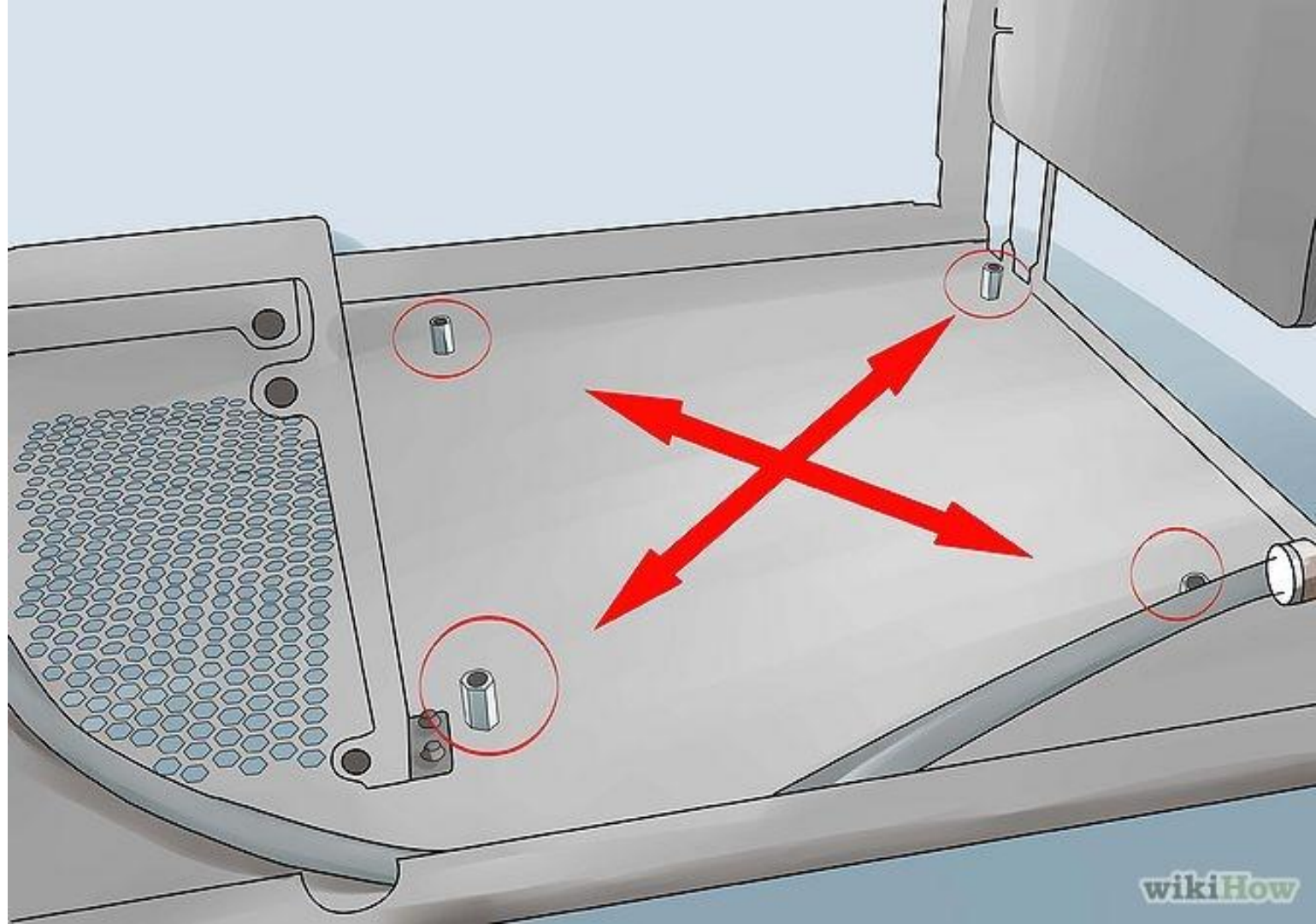
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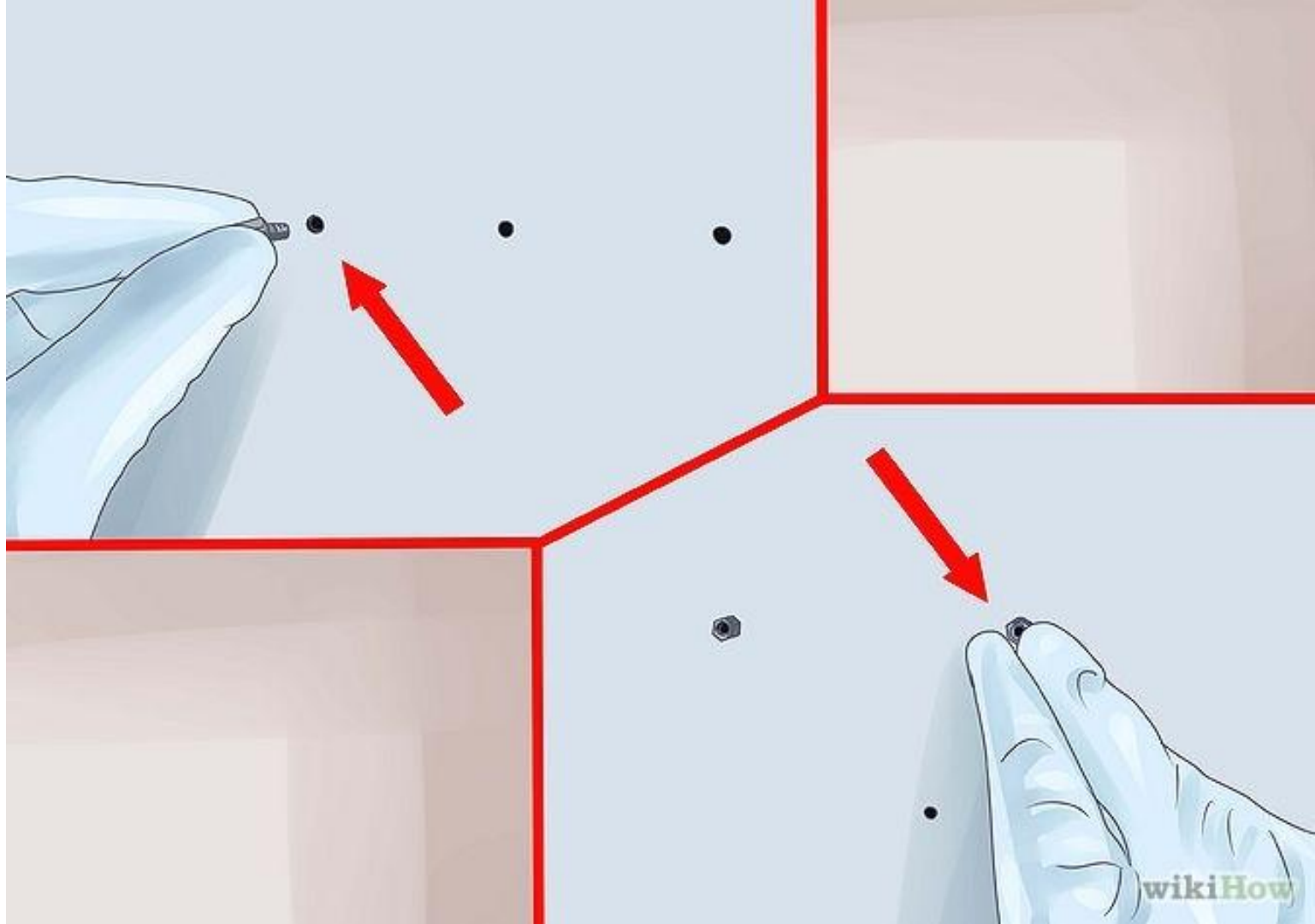
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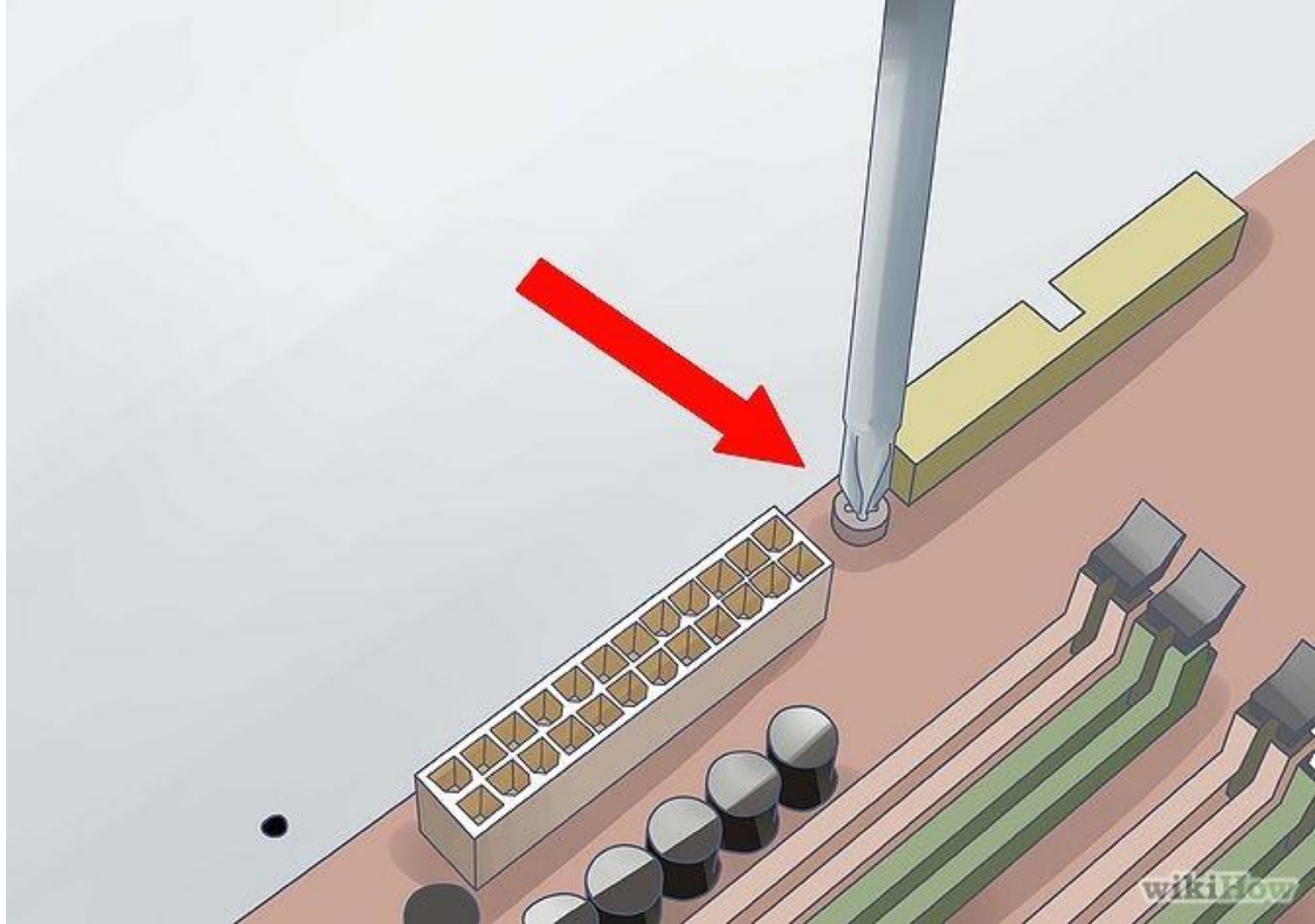
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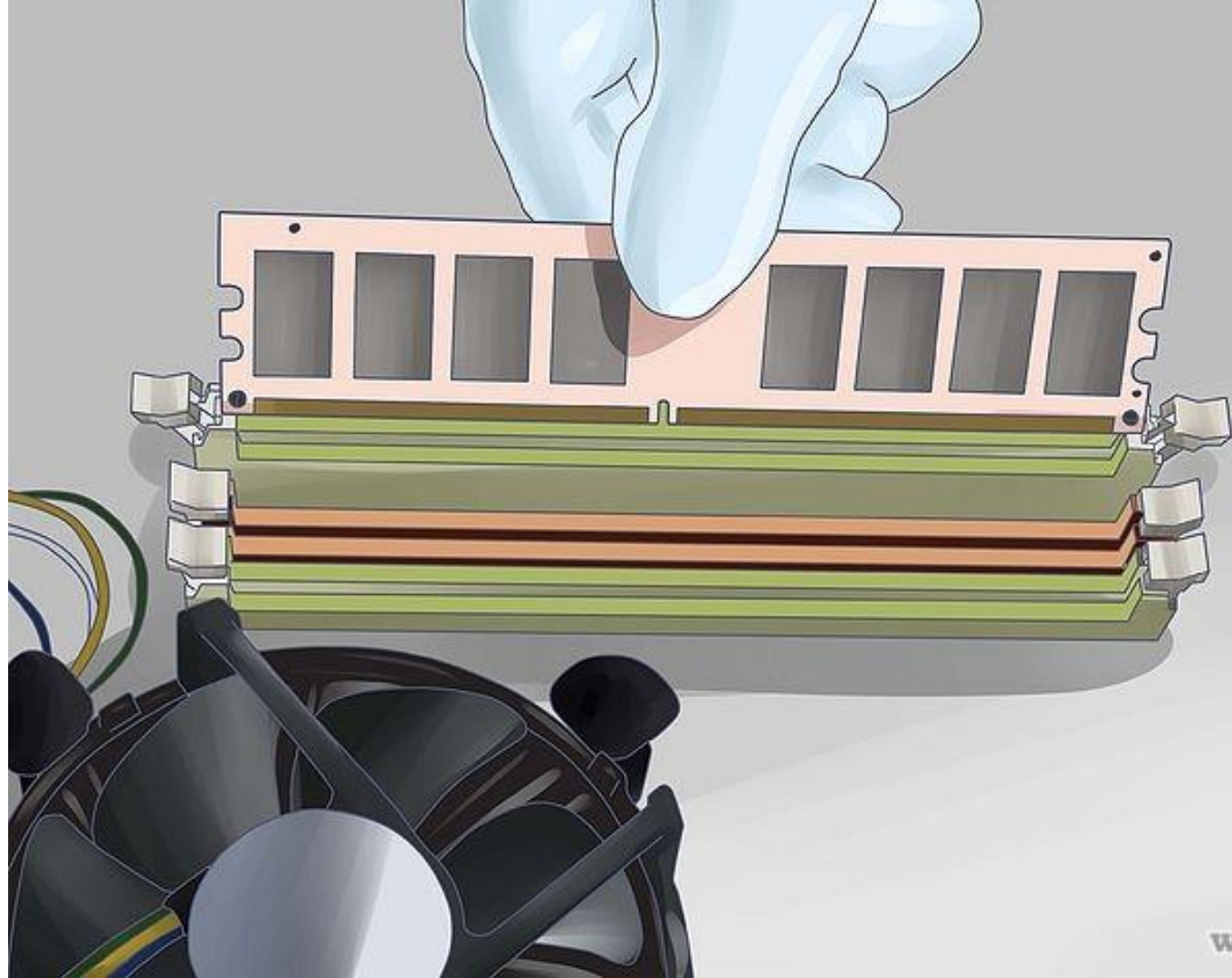
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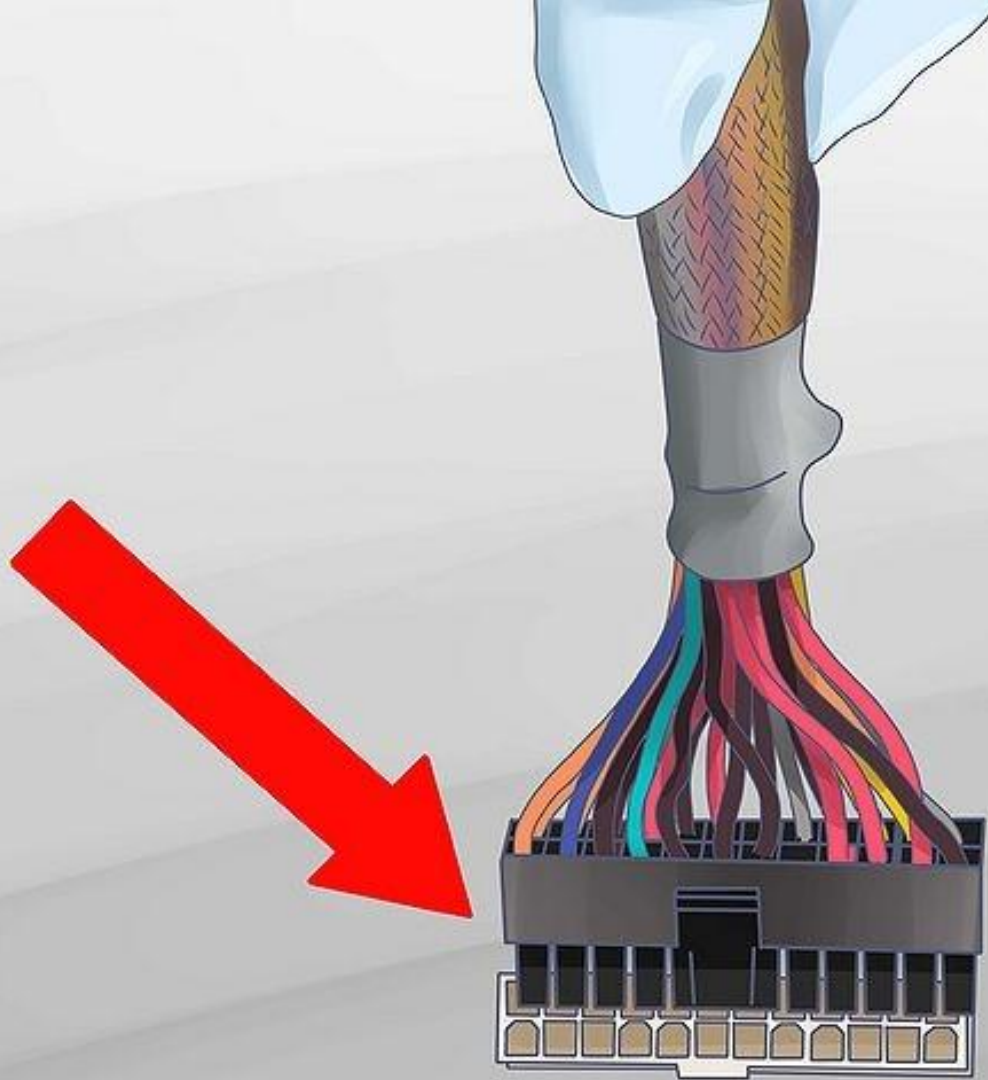
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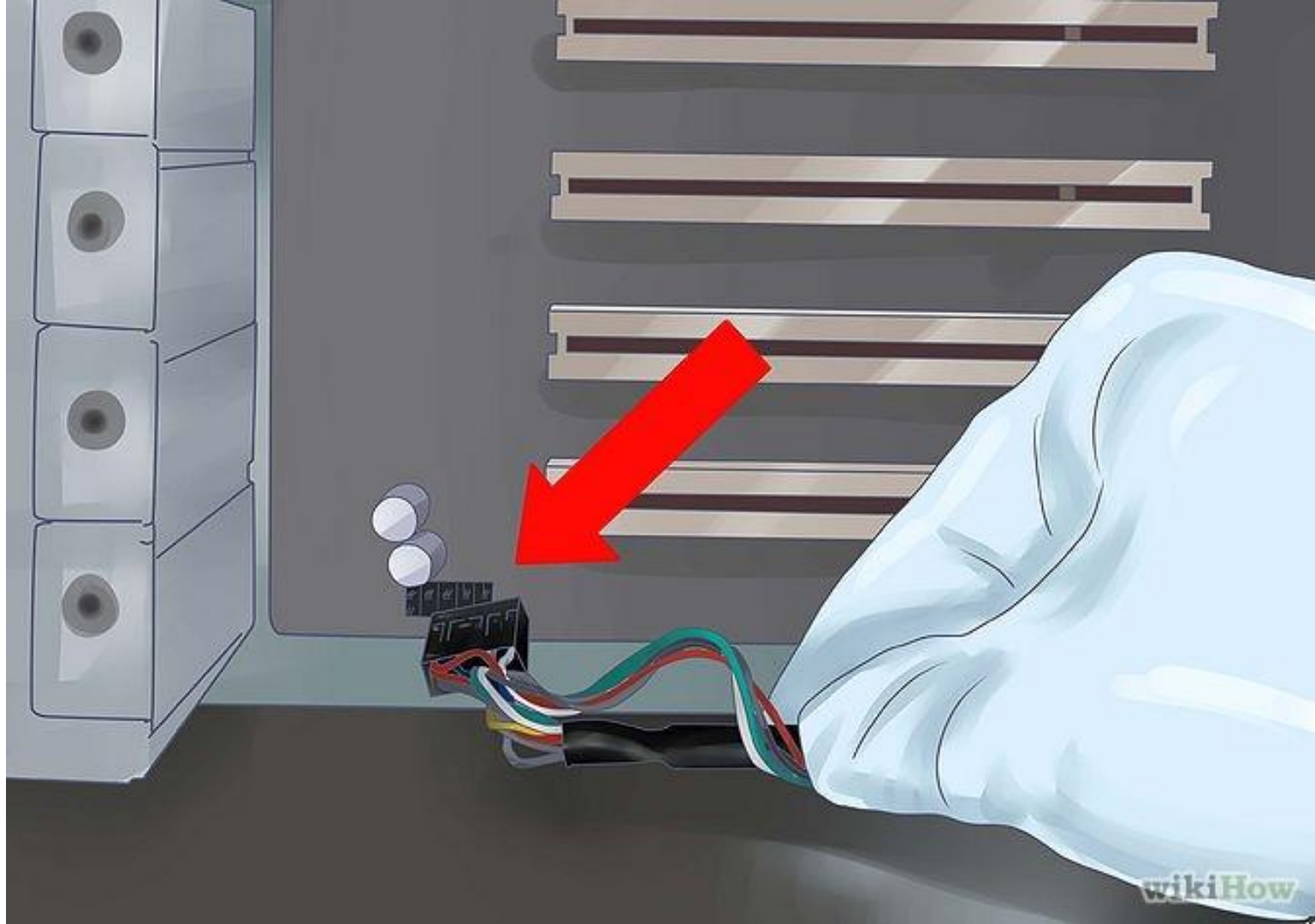
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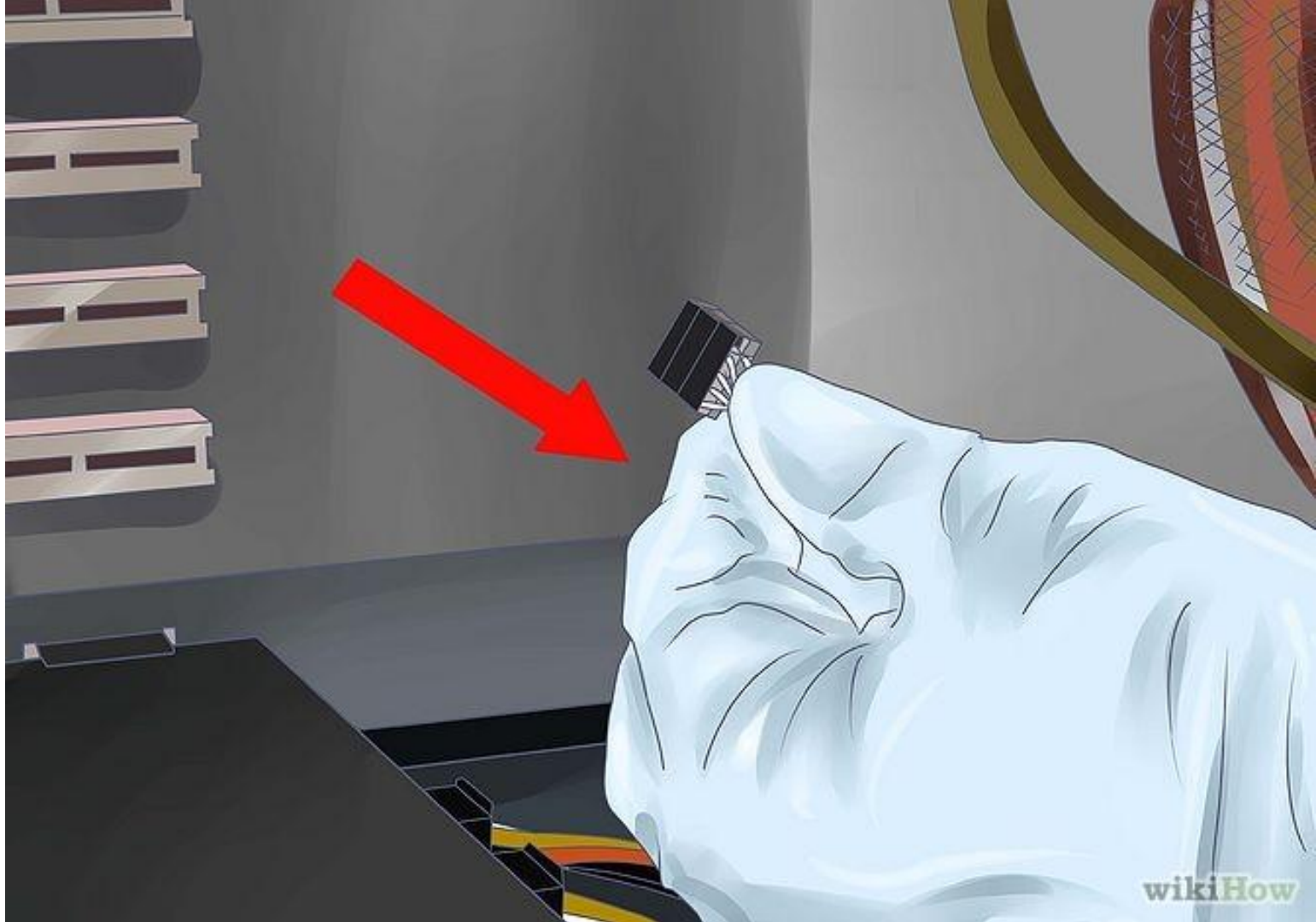
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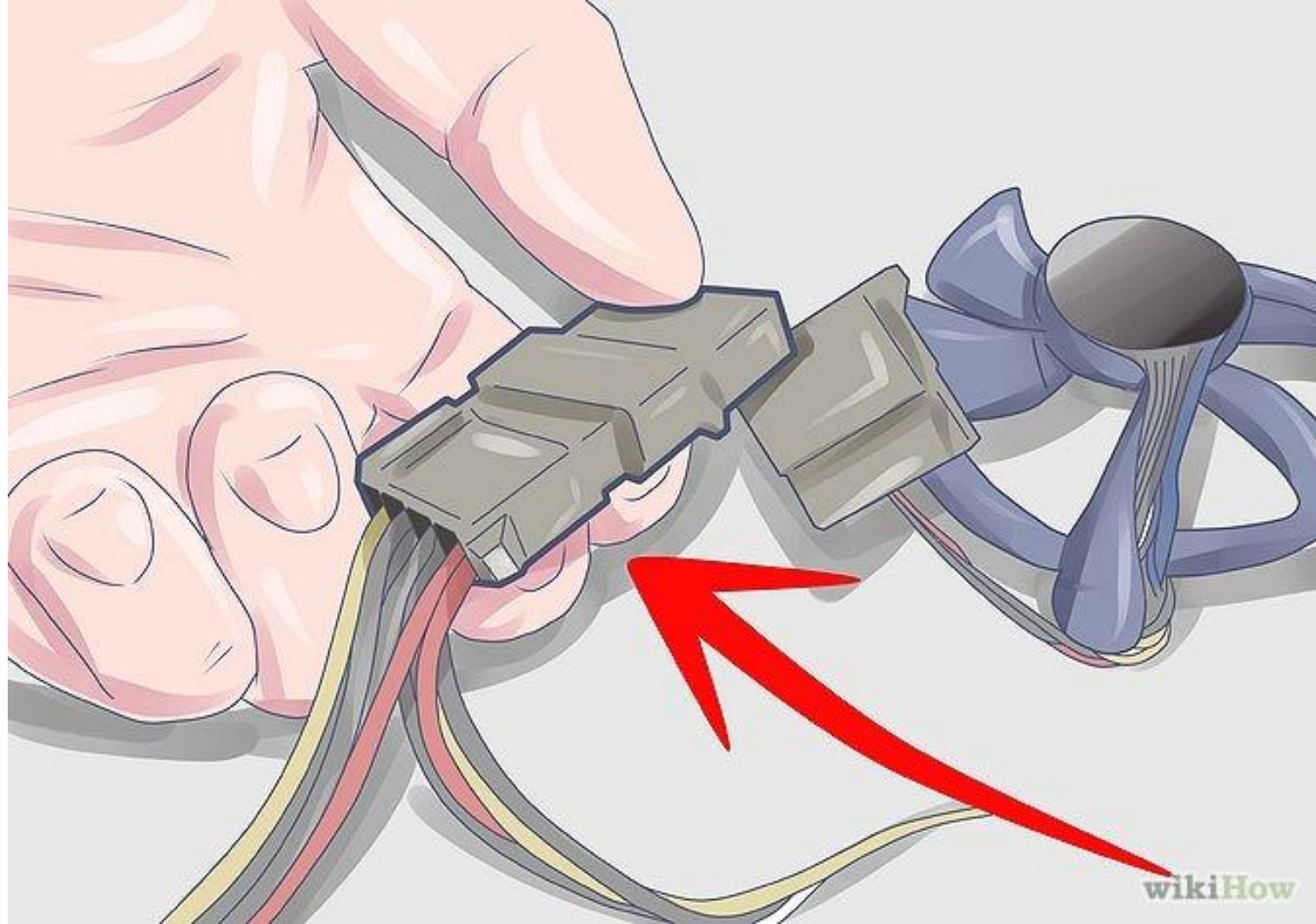
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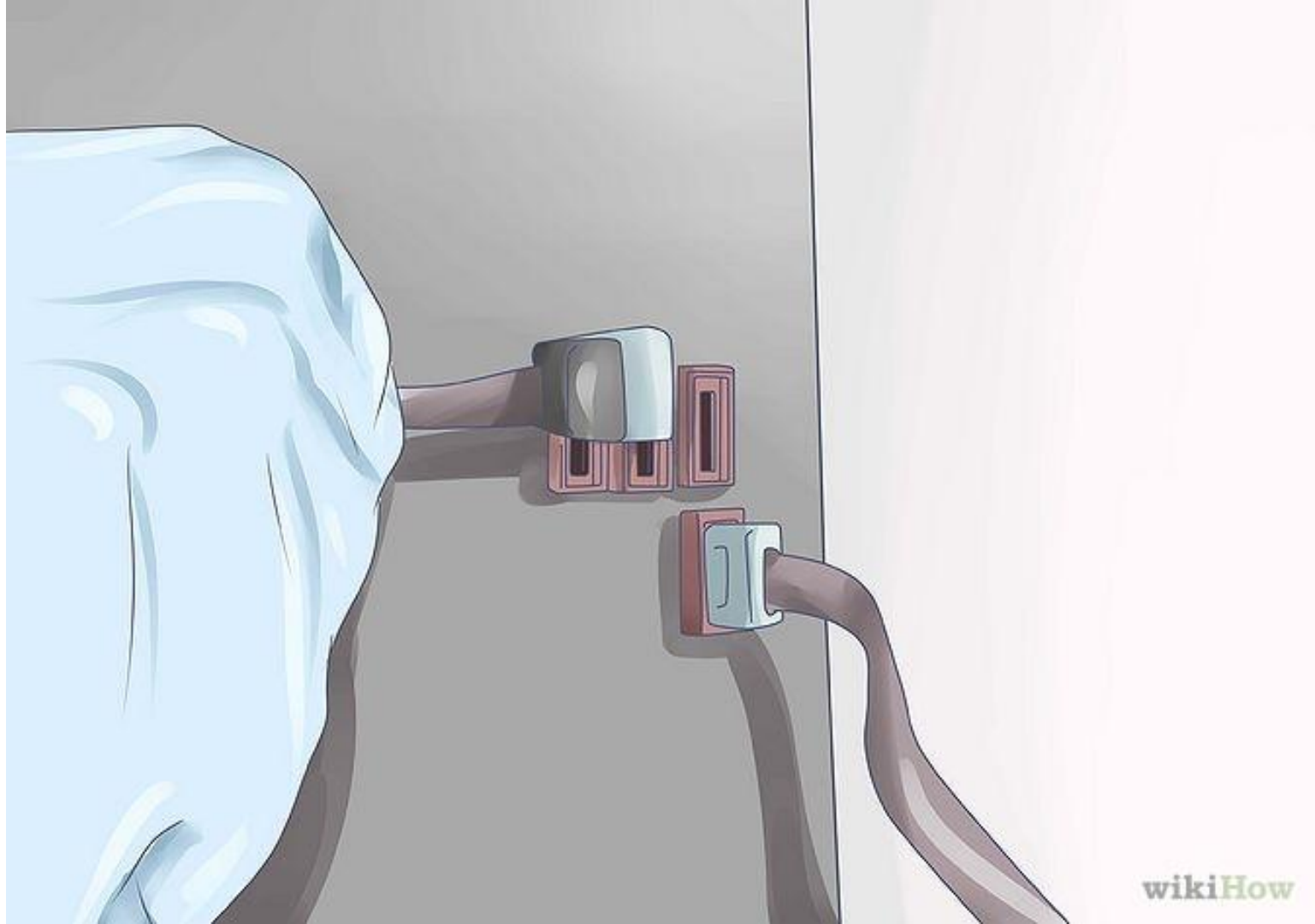
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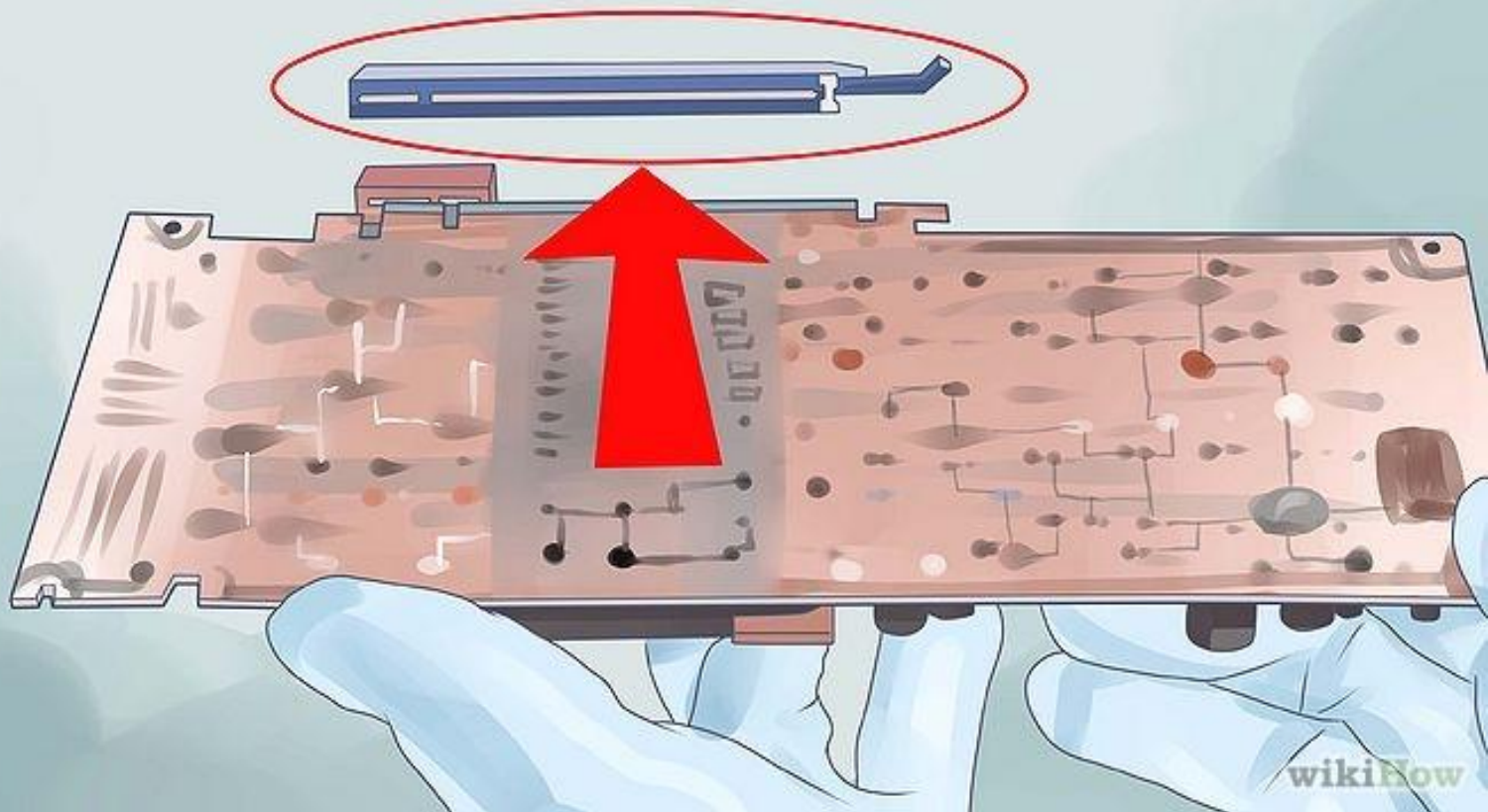
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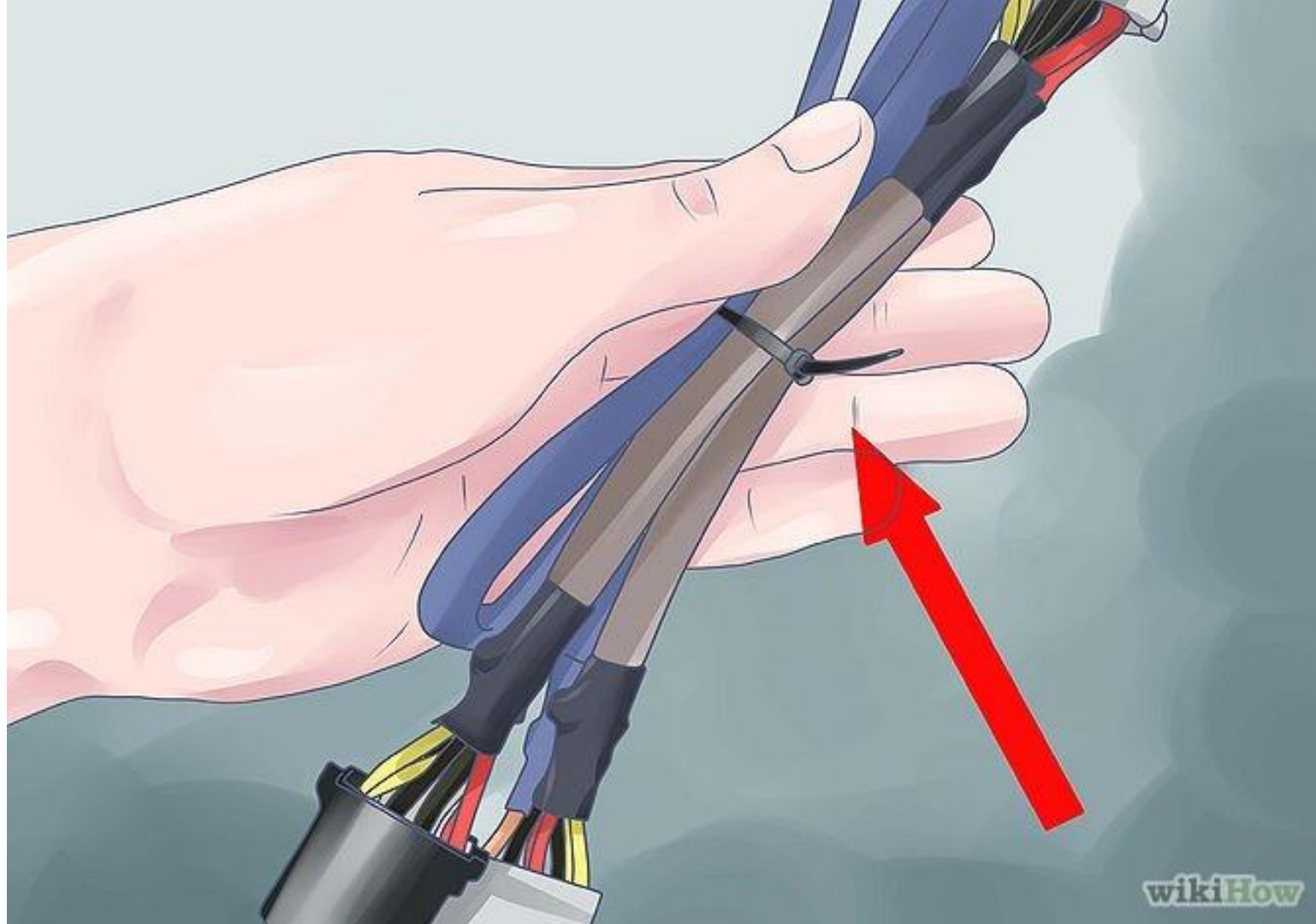
032



033



034





035