

AMD 6core Build

Gareth Jones



SWANSEA METROPOLITAN UNIVERSITY

PRIFYSGOL FETROPOLITAN ABERTAWE

6 Core Phenom Build

AMD 6core phenomII 2.4GHz O/C to 3.8GHz

Liquid Cooled

8GB RAM

2*2TB 7200RPM hard drives in RAID0

1*60GB SSD – O/S boot drive.



SWANSEA METROPOLITAN UNIVERSITY

PRIFYSGOL FETROPOLITAN ABERTAWE









AMD Phenom™ II
HDT55TWFK6DGR
CCBBE CB 1025GFAW
9E62153F00484



DIFFUSED IN GERMANY
MADE IN MALAYSIA

AMD

T





CORSAIR POWER

400W

POWER SUPPLY ■ BLOC D'ALIMENTATION ■ NETZTEILS ■ ALIMENTATORE ■ FUENTE DE PODER

Connectors included in this package ■ Connecteurs inclus dans cet emballage ■ Conectores incluido en ese paquete



x1
ATX 24 pin & 20 pin compatible



x1
EPS/ATX12V 8-4 pin



x1
PCI-E 6 pin



x6
SATA



x6
4 pin peripheral



x2
Floppy

CORSAIR
400

CORSAIR POWER
400W





CORSAIR 400W POWER

MODEL: CMPSU-400CX
型号 / 型号 **POWER SUPPLY**

交流 输入	AC INPUT	100-240V - 7A 50/60Hz				
	DC OUTPUT	+3.3V	+5V	+12V	-12V	+5Vsb
	MAX CURRENT	20A	20A	30A	0.8A	2.5A
	MAX COMBINED WATTAGE	130W		360W	9.6W	12.5W
		400W				

CAUTION! HAZARDOUS AREA
Do not remove this cover.
Trained service personnel only.
No user serviceable components inside.

VORSICHT! GEFAHRENZONE
Abdeckungen unter keinen Umständen
abnehmen! Reparaturen nur durch
ausgebildetes Personal! Es sind keine zu
wartenden Bauteile vorhanden!

I.T.E. POWER SUPPLY
Endast for kontorsmaskin.
Laitte on liitettava suojamaadoituskoskettimilla
varustettuun pistorasiaan.
Apparatet ma tilkoples jordat stikkontakt.
Apparaten skall ansluta till jordat uttag.

Attention. Ne démontez jamais ce couvercle.

警告：内有高压，请勿开启 / 警告：内有高压，请勿开启



MADE IN CHINA 中国生产 / 中国生产

S/N: R1002A11290651 Rev:B2W



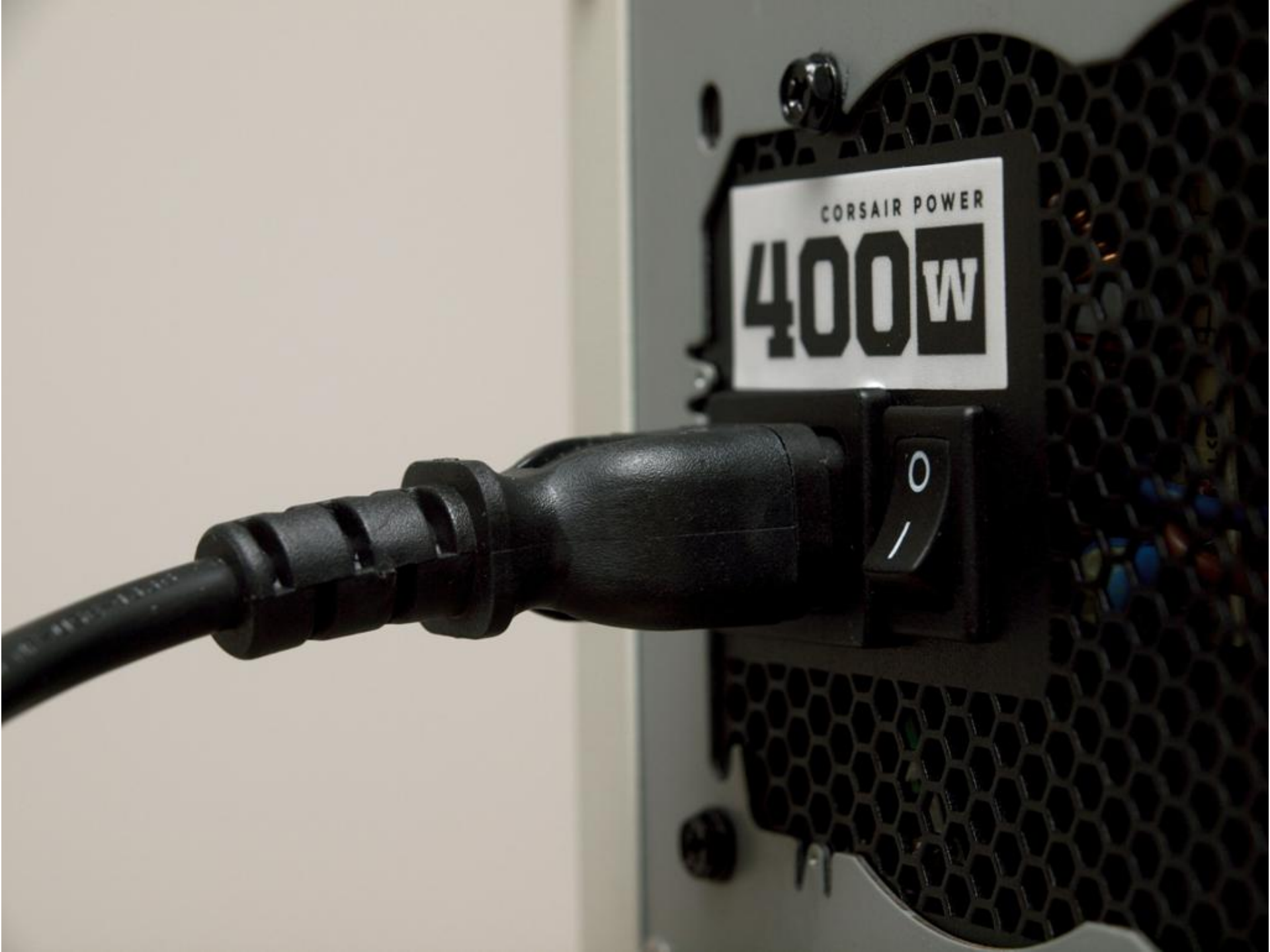
HI-POT &
Grounding OK

PC-007

1
DL







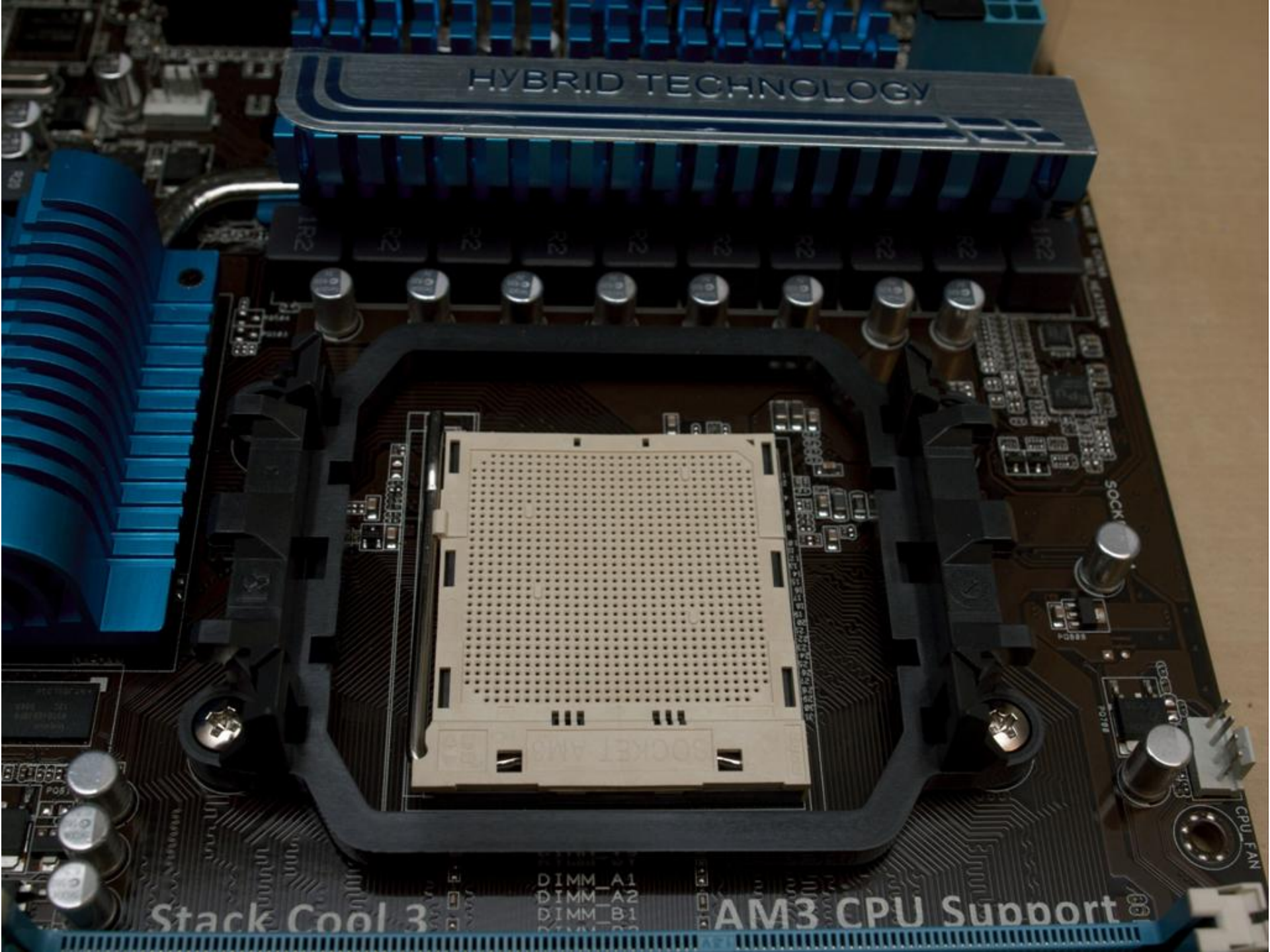
CORSAIR POWER
400W











HYBRID TECHNOLOGY

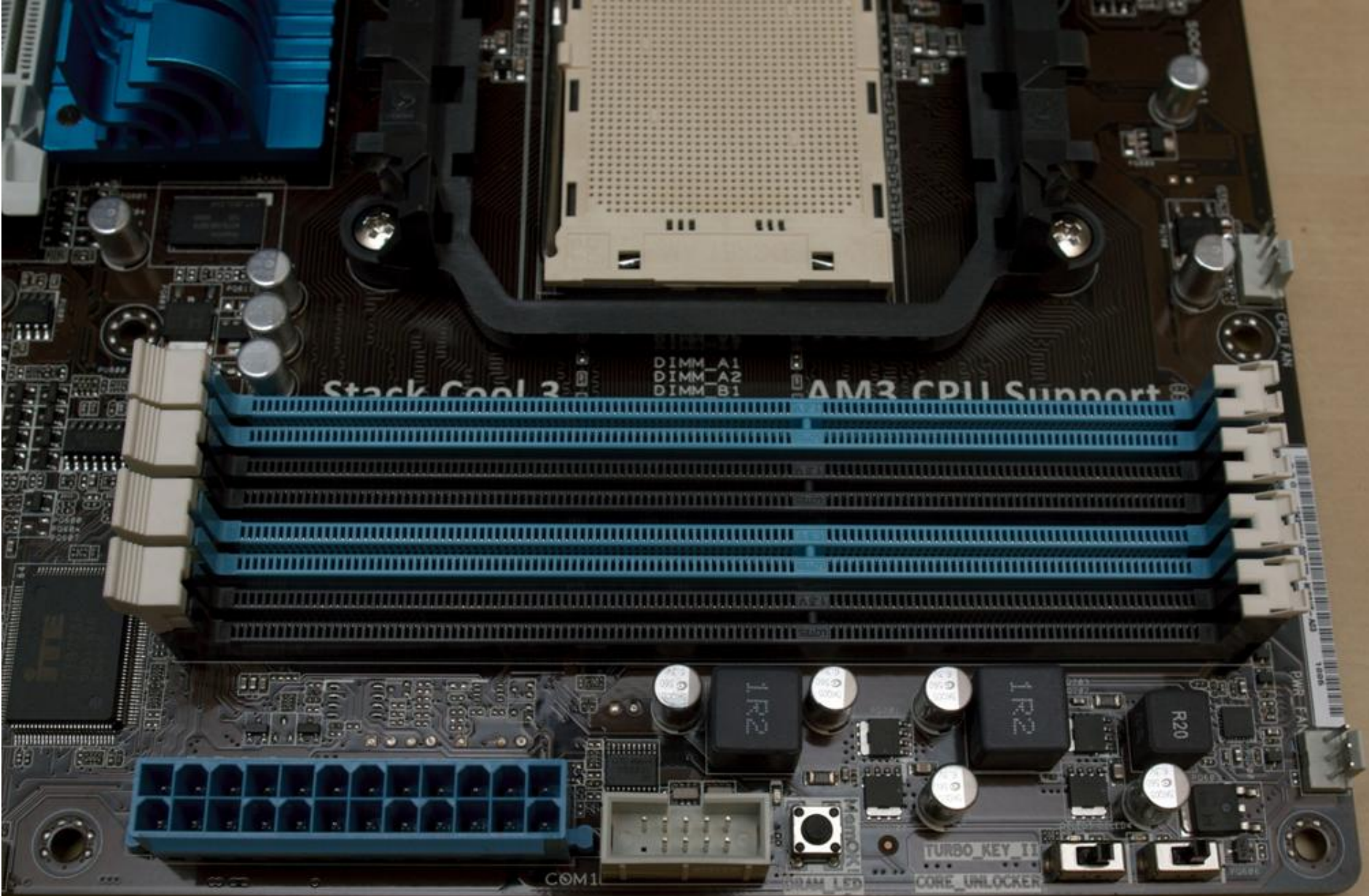
Stack Cool 3D

AM3 CPU Support

DIMM A1
DIMM A2
DIMM B1
DIMM B2

SOCKET

CPU_FAN



Stack Cool



140W CPU Support

GPU Boost

SidePort Memory

Core Unit

Mem



M4A89GTD PRO/USB3

M4A89GTD PRO/USB3
A3M0AC452390
Made in China
合格

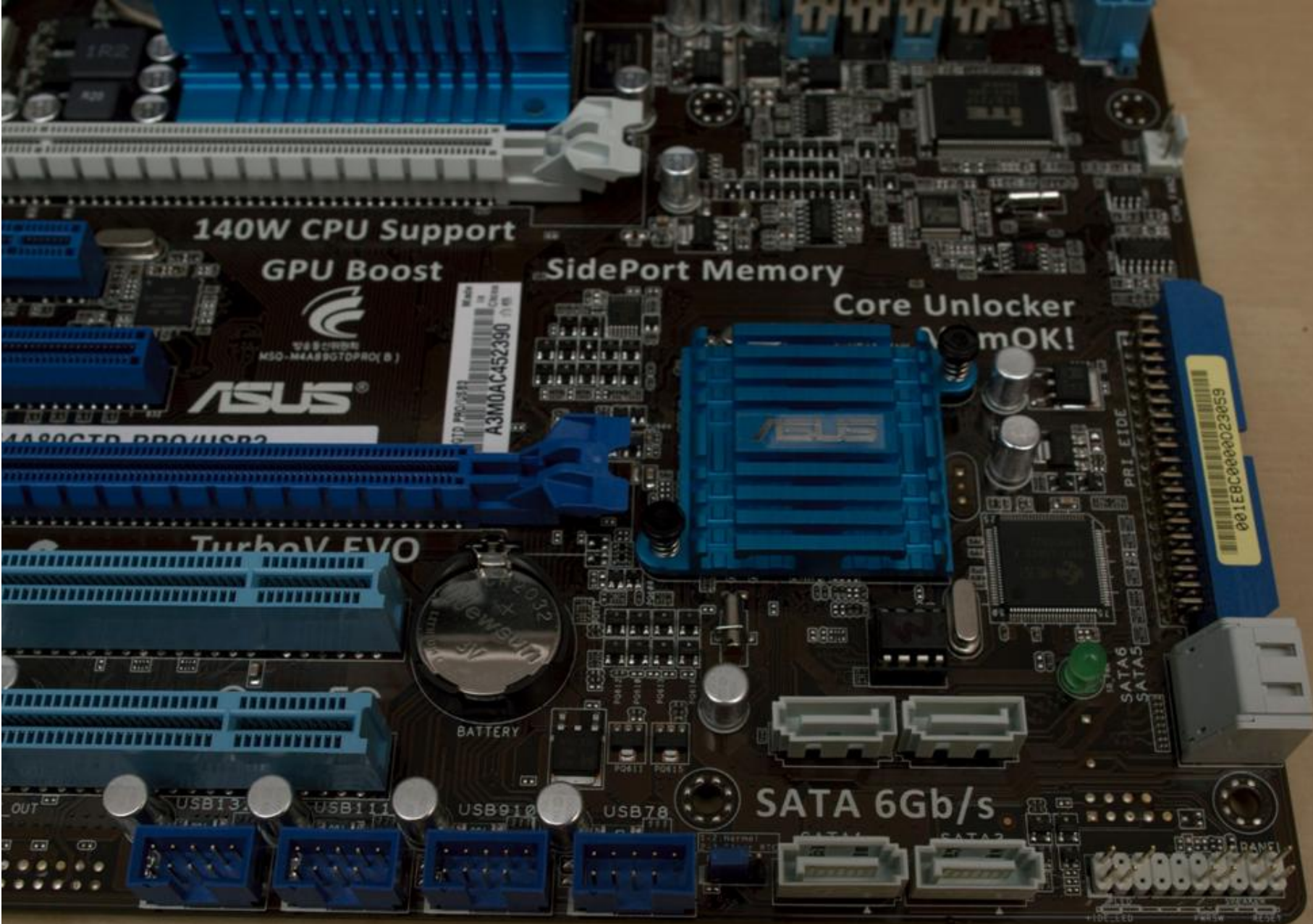
TurboV EVO



SATA 6Gb/s







140W CPU Support

GPU Boost

SidePort Memory

Core Unlocker

VmOK!

ASUS

M50-MAA890TDPRO (B)

Barcode sticker: 001E8C000023059

TurboV EVO

BATTERY

SATA 6Gb/s

PRI EIDE

SATA6

SATA5

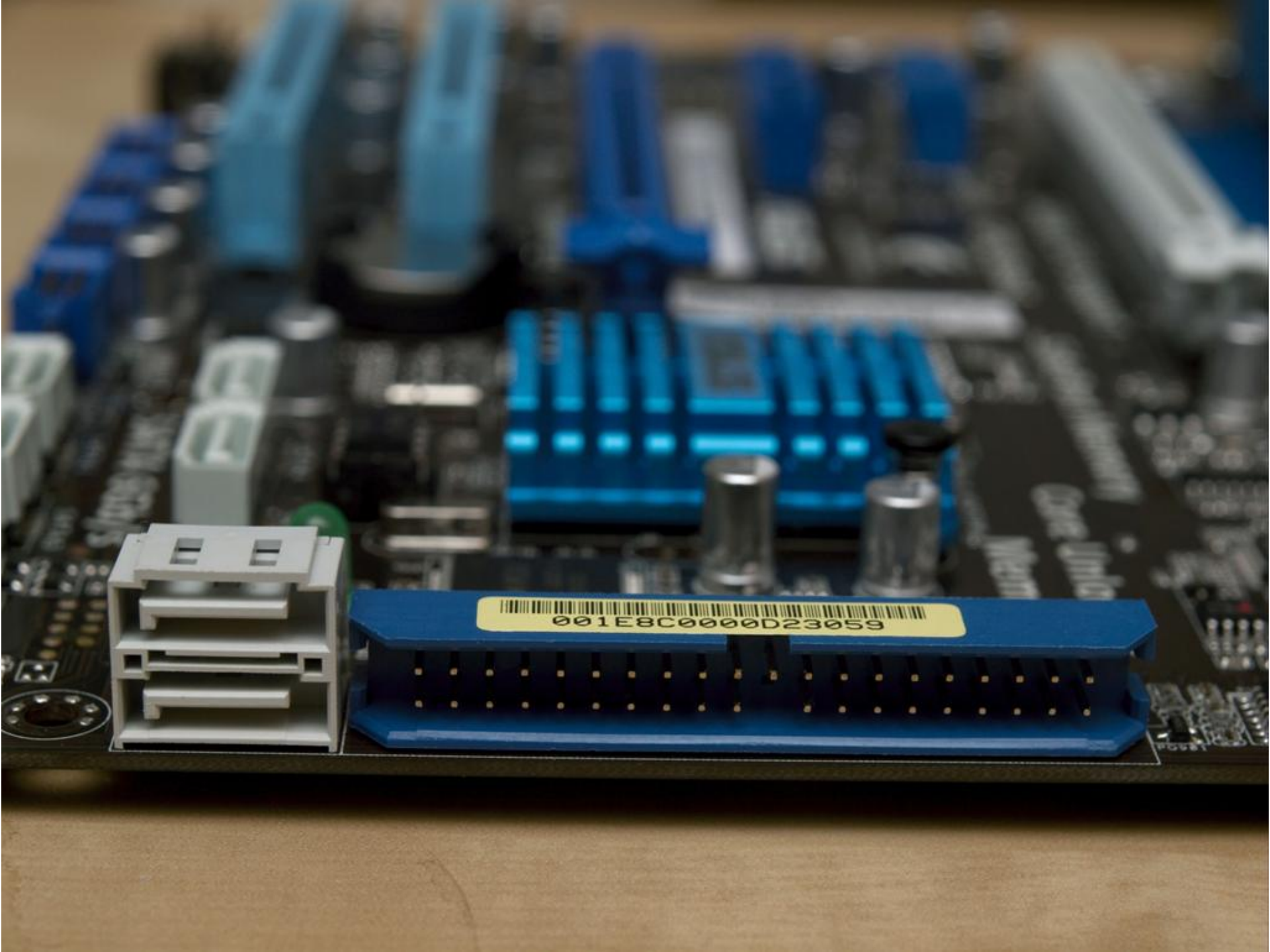
Barcode sticker: 001E8C000023059

DRIVE

IDE_LED, PWRM, RESET

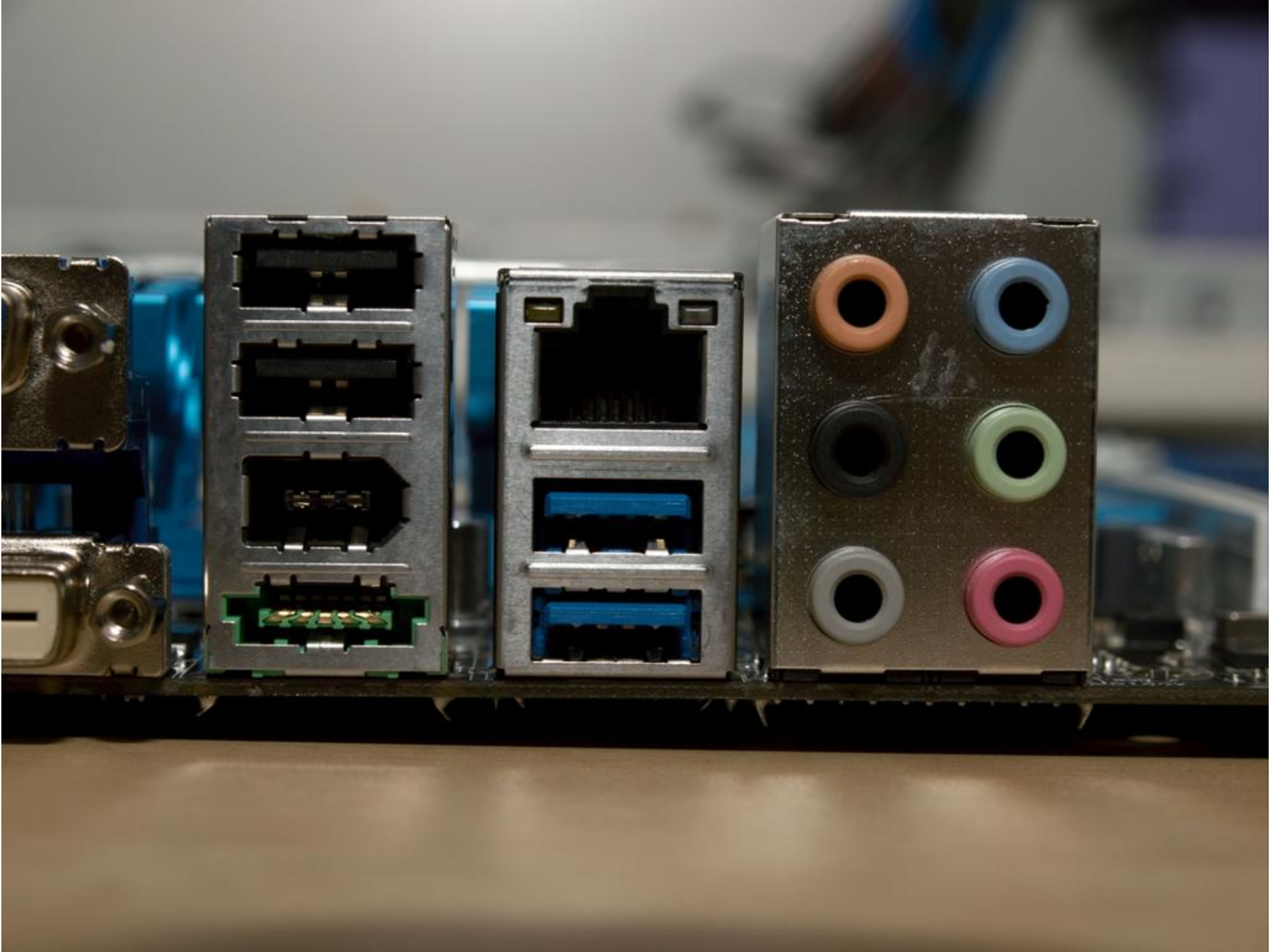


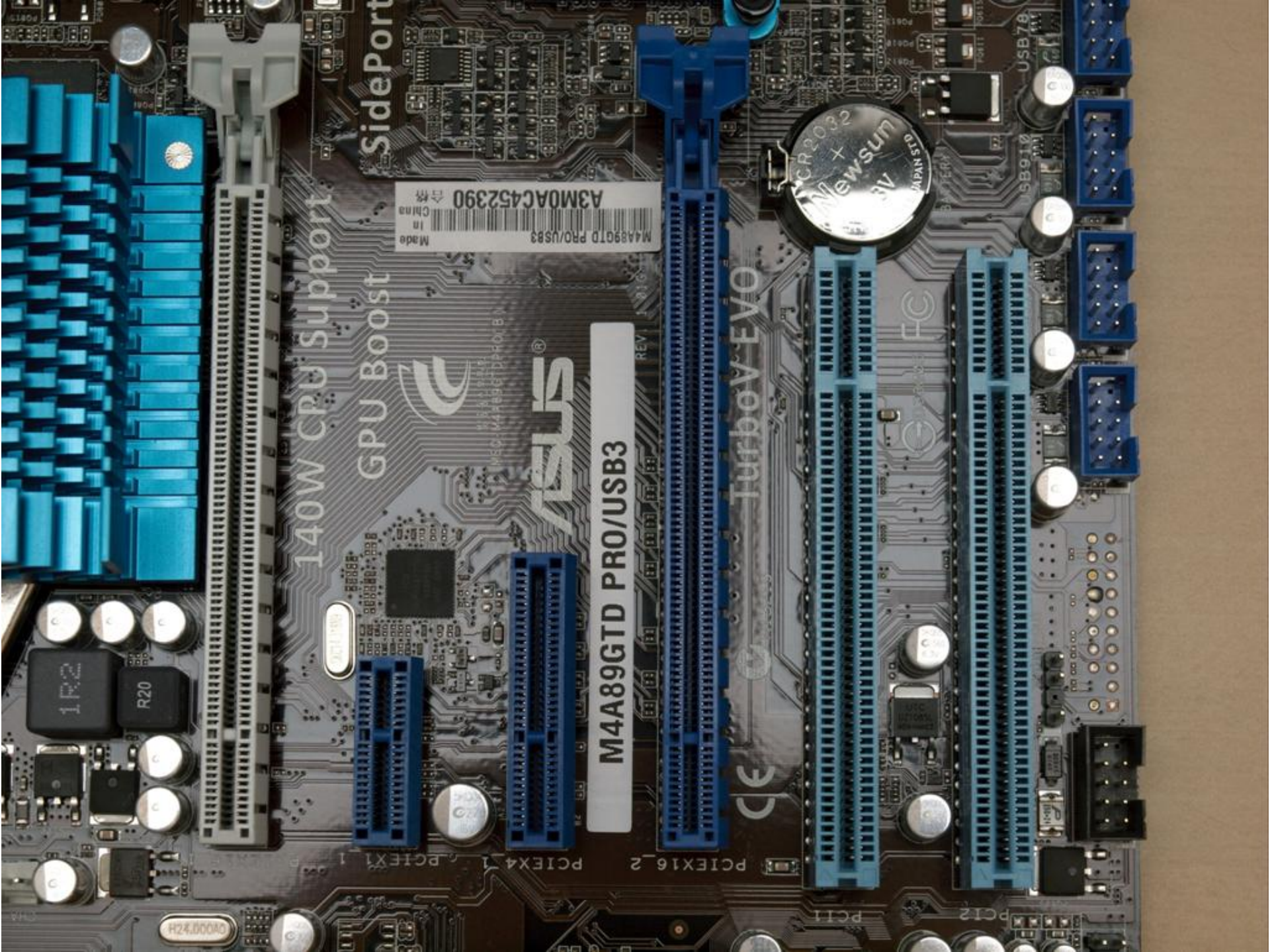
SATA 6Gb/s



001E8C0000D23059







1F2

R20

0000724

140W CPU Support

GPU Boost



ASUS

M4A89GTD PRO/USB3

M4A89GTD PRO/USB3

TurboV-EVO

CE

PCIEX16_2 PCIEX4_1 PCIEX1_1

M4A89GTD PRO/USB3
A3M0AC452390
Made in China

PCI1

PCI2

CR2032
Newsun
JAPAN LTD

USB78

SB910











CORSAIR COOLING HYDRO SERIES

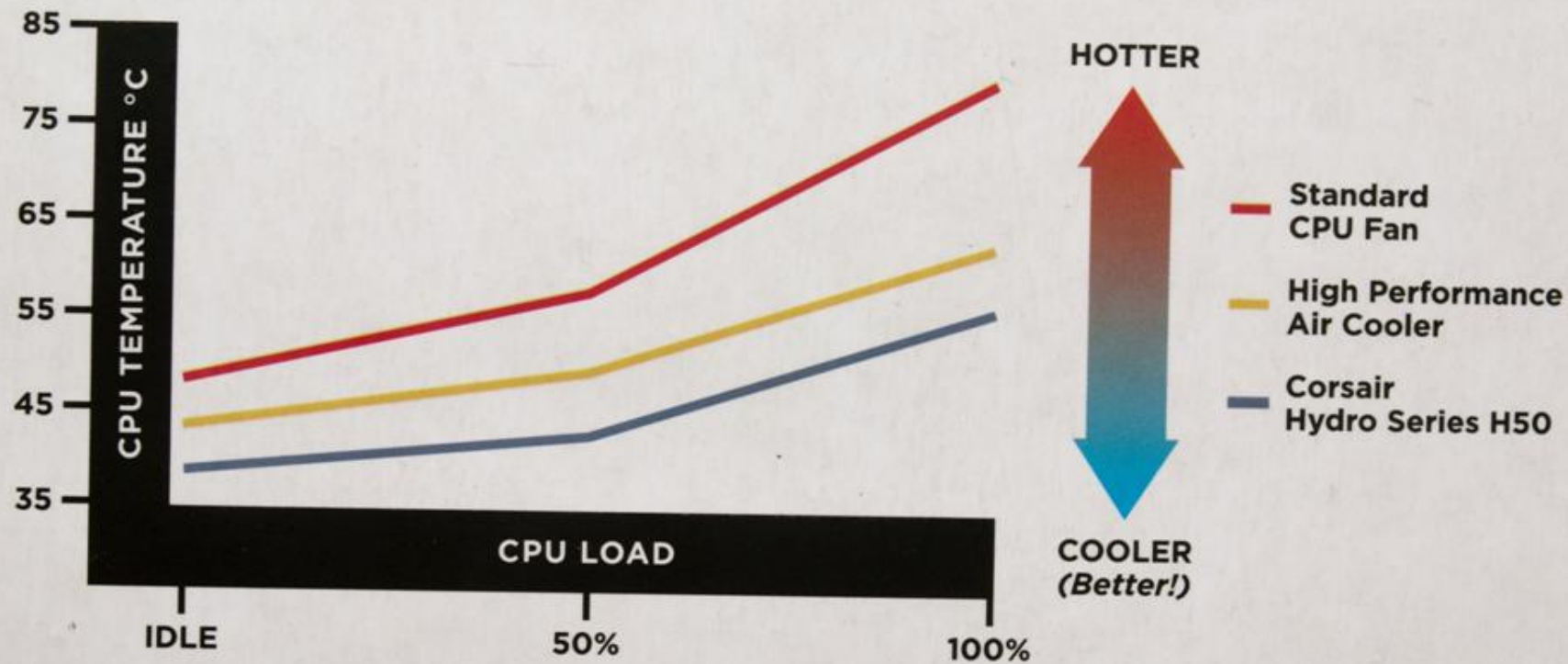


H50

HIGH-PERFORMANCE CPU COOLER
cool, quiet, easy to install™

WARRANTY VOID IF

Compare to Air • Comparaison avec Refroidissement Air C
Die neue Art und Weise, mit Luft zu kühlen • Confronto ad
Compara con el ventilador • Лучше воздуха

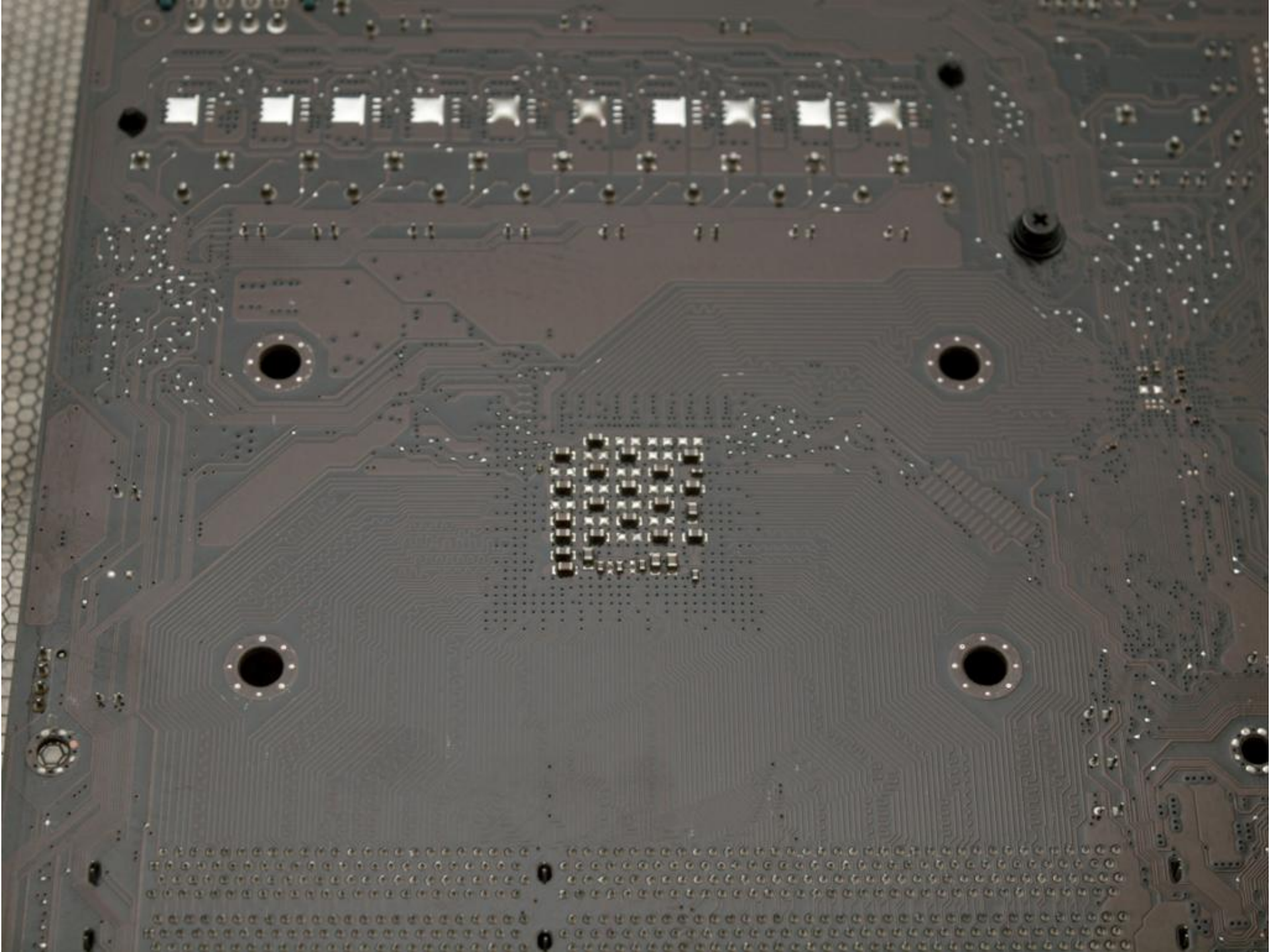


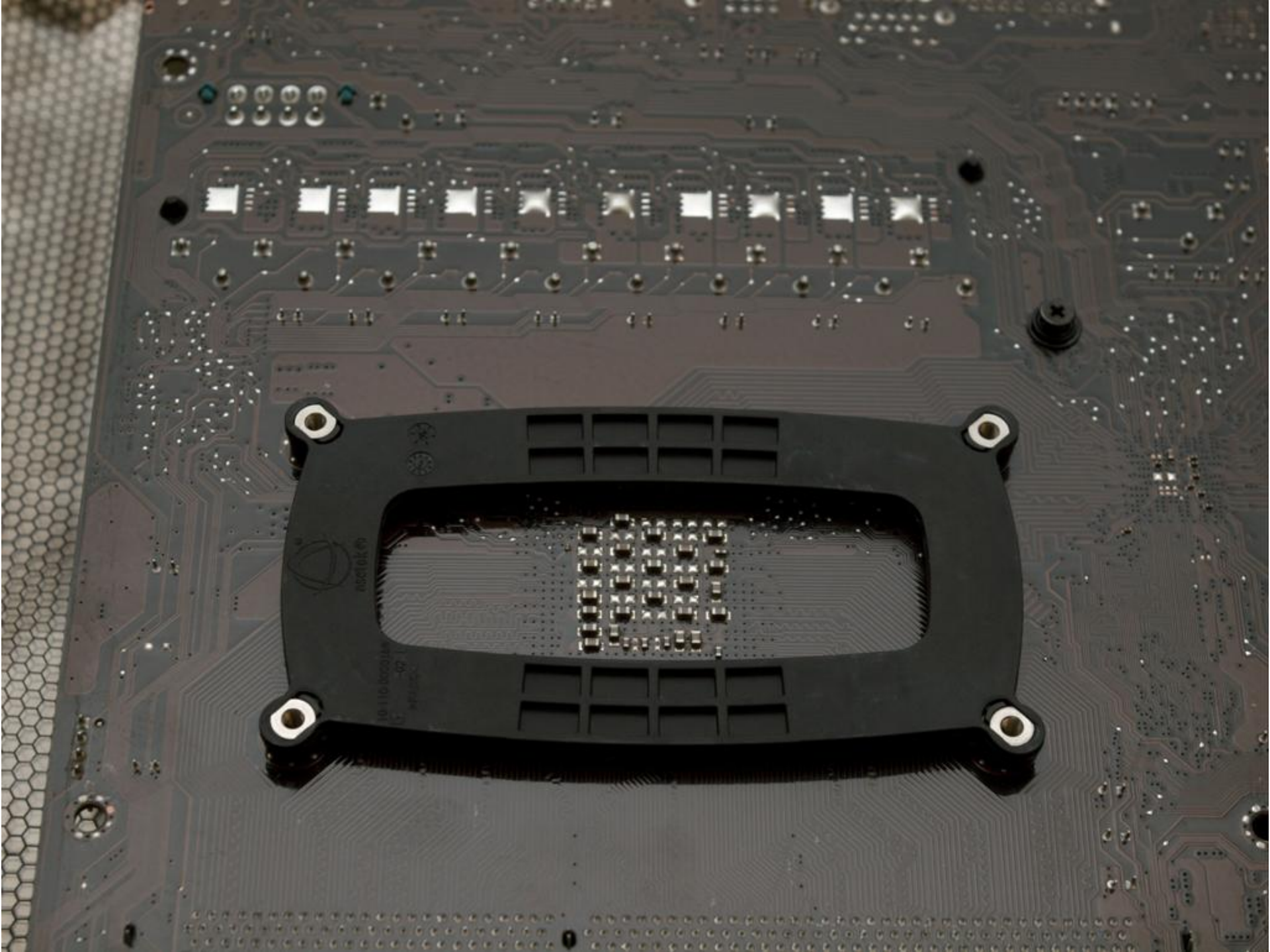
The Hydro Series H50 provides CPU cooling performance that traditional air coolers just can't match. The pre-filled, closed-loop system is easy to install and takes up minimal space inside your PC's case.

L'Hydro Series H50 atteint un niveau de refroidissement du CPU qu'aucun refroidissement traditionnel à air ne peut égaler. Le système en boucle fermée prérempli est









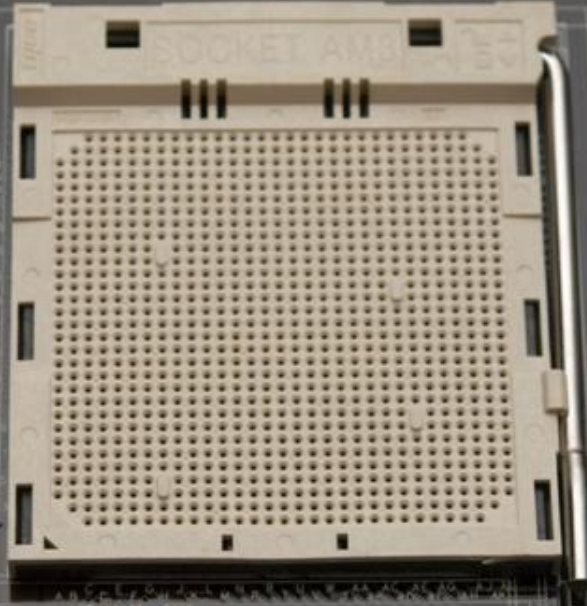
HYBRID TECHNOLOGY

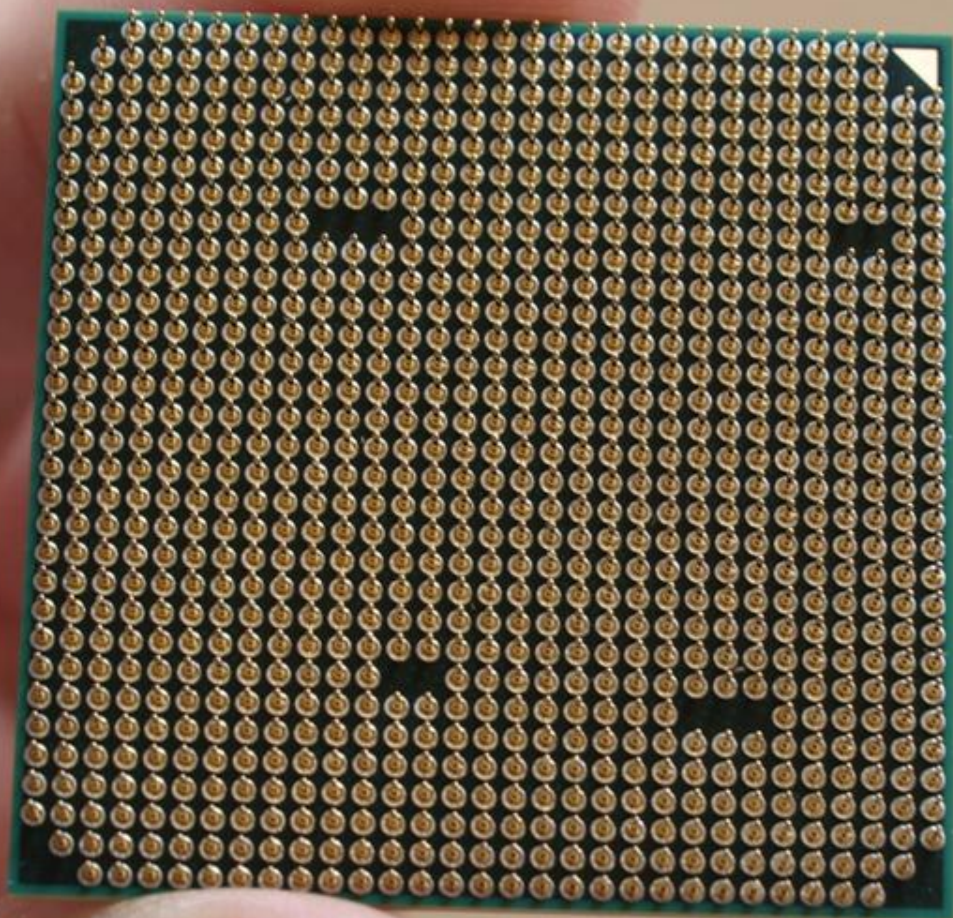
Stack Cool 3

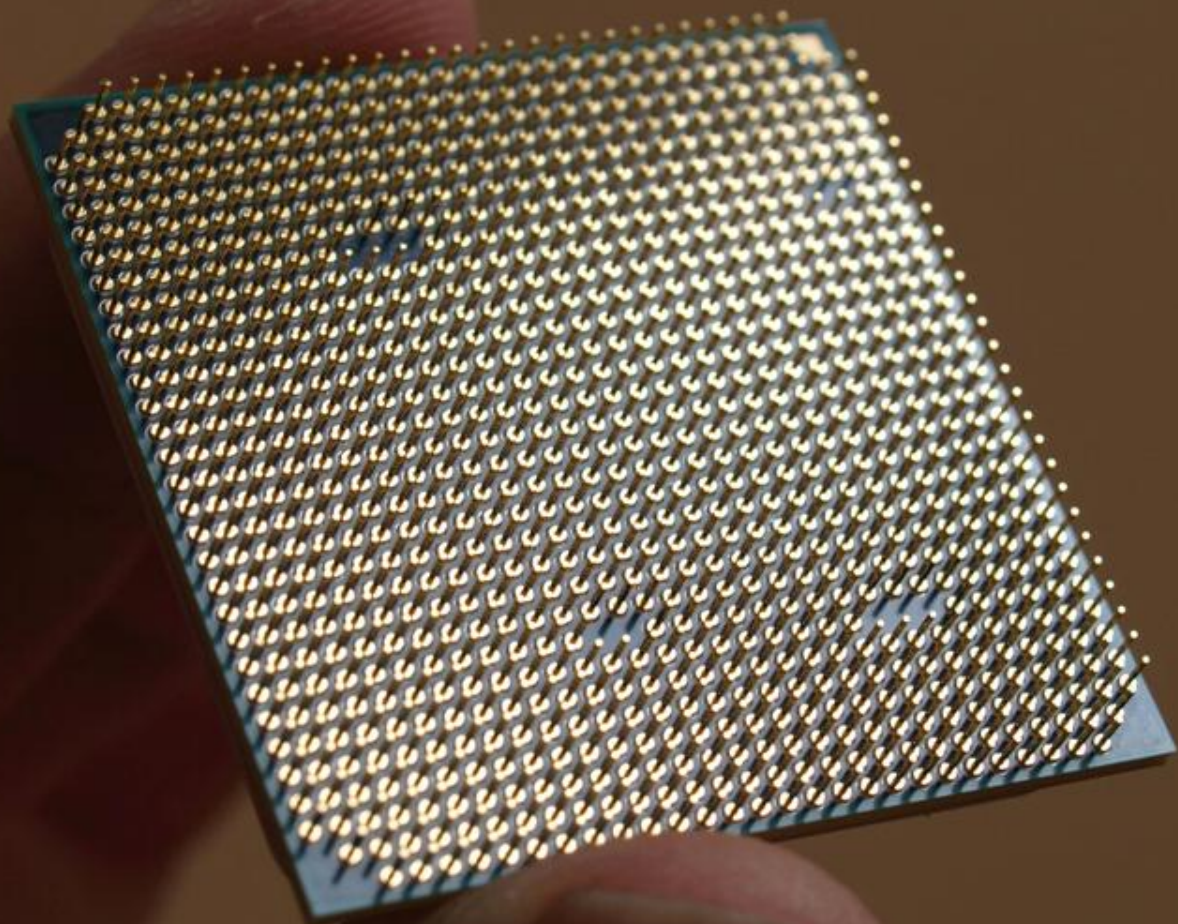
DIMM_A1
DIMM_A2
DIMM_B1
DIMM_B2

AM3 CPU Support

SOCKET941









Support

AM

Stack Cool 3

SOCKET 941

AMD Phenom™ II
90T55TVFK5002
C1000 CB 10230FPU
9862153F00468

AMD
90T55TVFK5002
C1000 CB 10230FPU
9862153F00468

HYBRID TECHNOLOGY





HYBRID TECHNOLOGY

AM3 CPU Support

Stack Cool 3

140W CPU Support

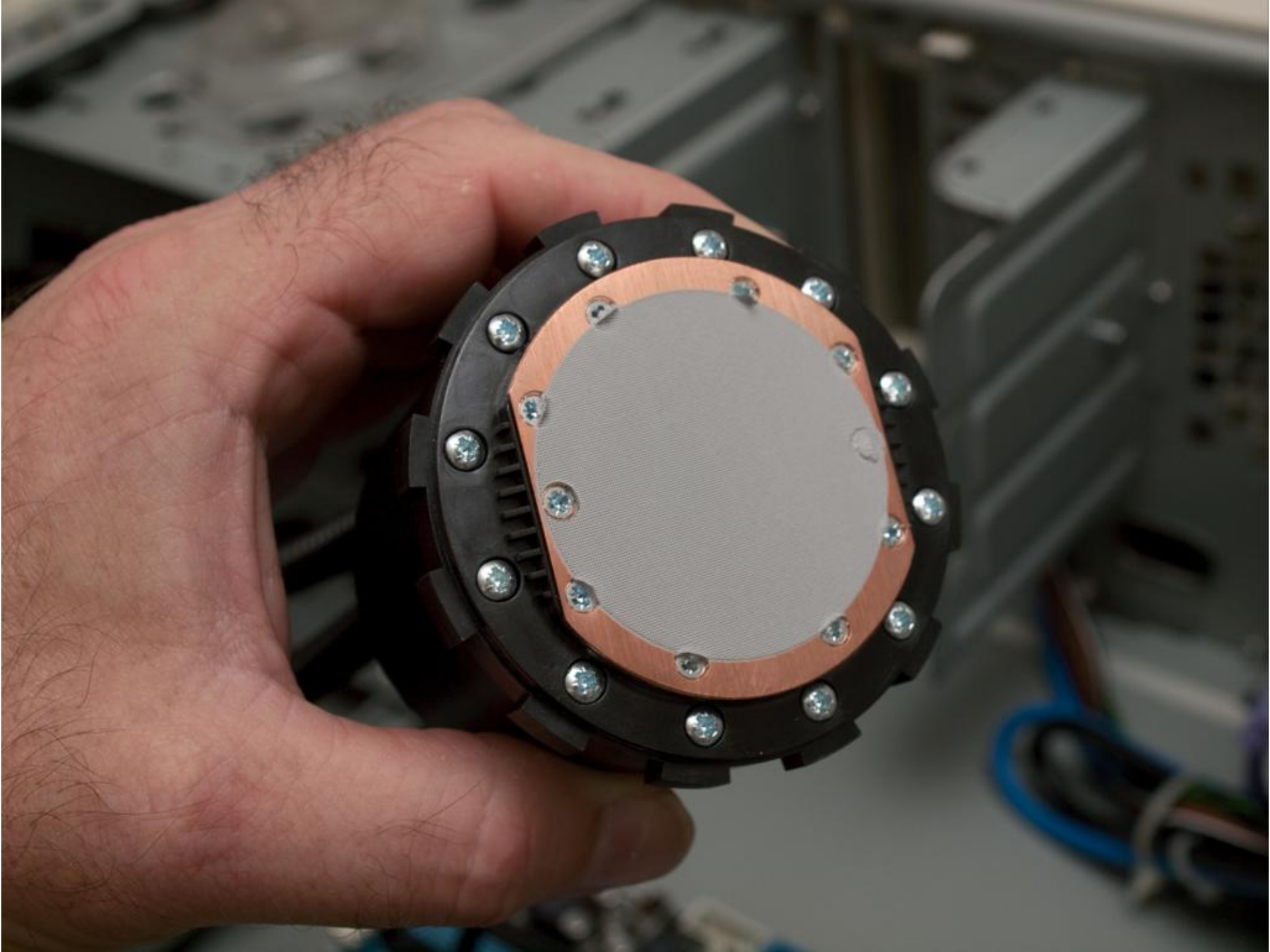
GPU Boost

SidePort Memory

Core Unlocker
MemOK!

ASUS
M4A89GTD PRO/USB3

SATA 6Gb/s





PC3 12800 7-7-7 @1.65v
Platinum Series 2GB
PN: OCZ3P1600LV4GK
Warranty Void if Removed
SN: 014411007000025-2

PC3 12800 7-7-7 @1.65v
Platinum Series 2GB
PN: OCZ3P1600LV4GK
Warranty Void if Removed
SN: 014411007000025-1

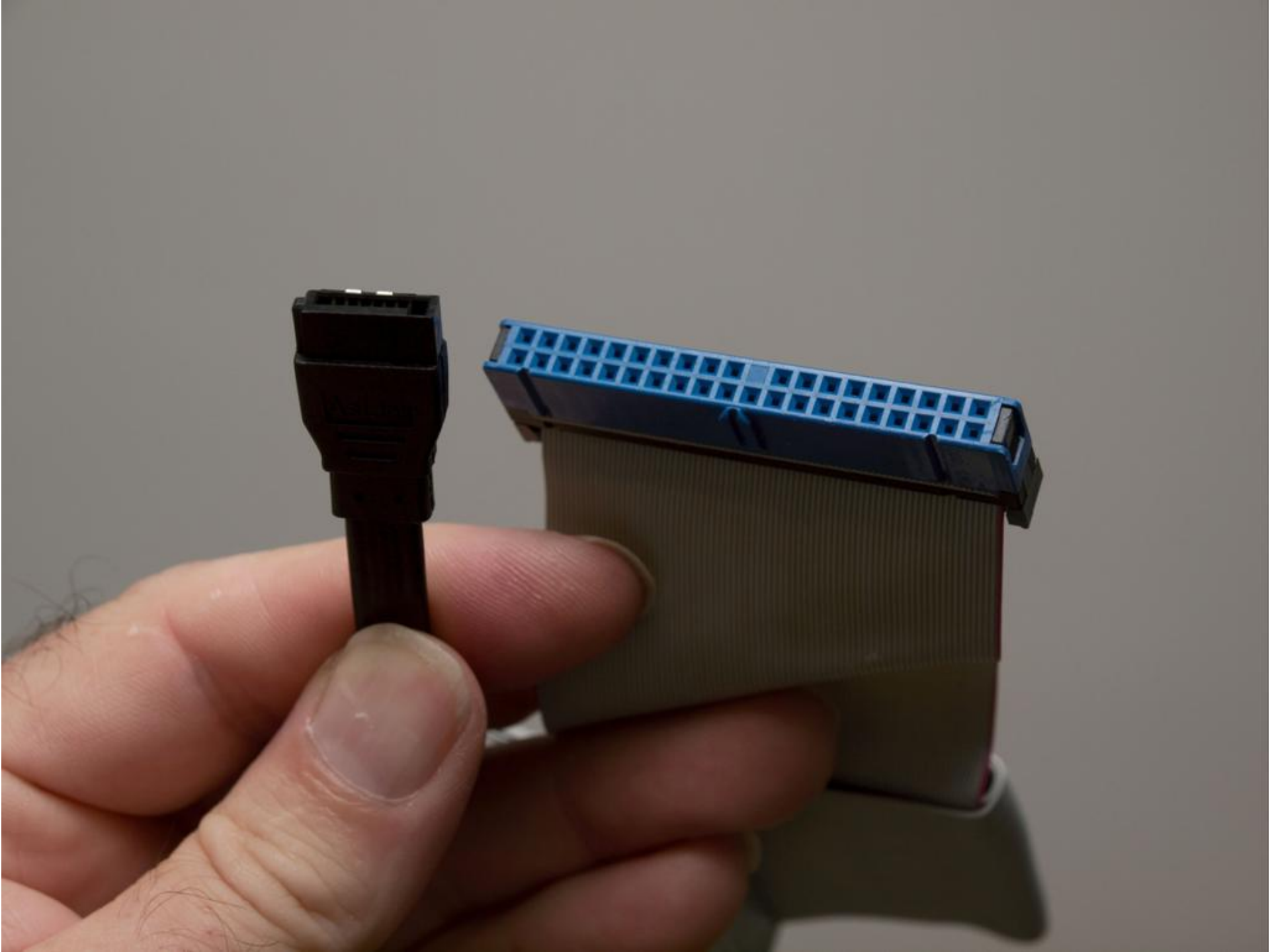
LOW VOLTAGE

Platinum Series
PN: OCZ3P1600LV4GK
Warranty Void if Removed
SN: 014411007000025-2

PC3 12800 7-7-7 @1.65v
Platinum Series 2GB
PN: OCZ3P1600LV4GK
Warranty Void if Removed
SN: 014411007000025-1

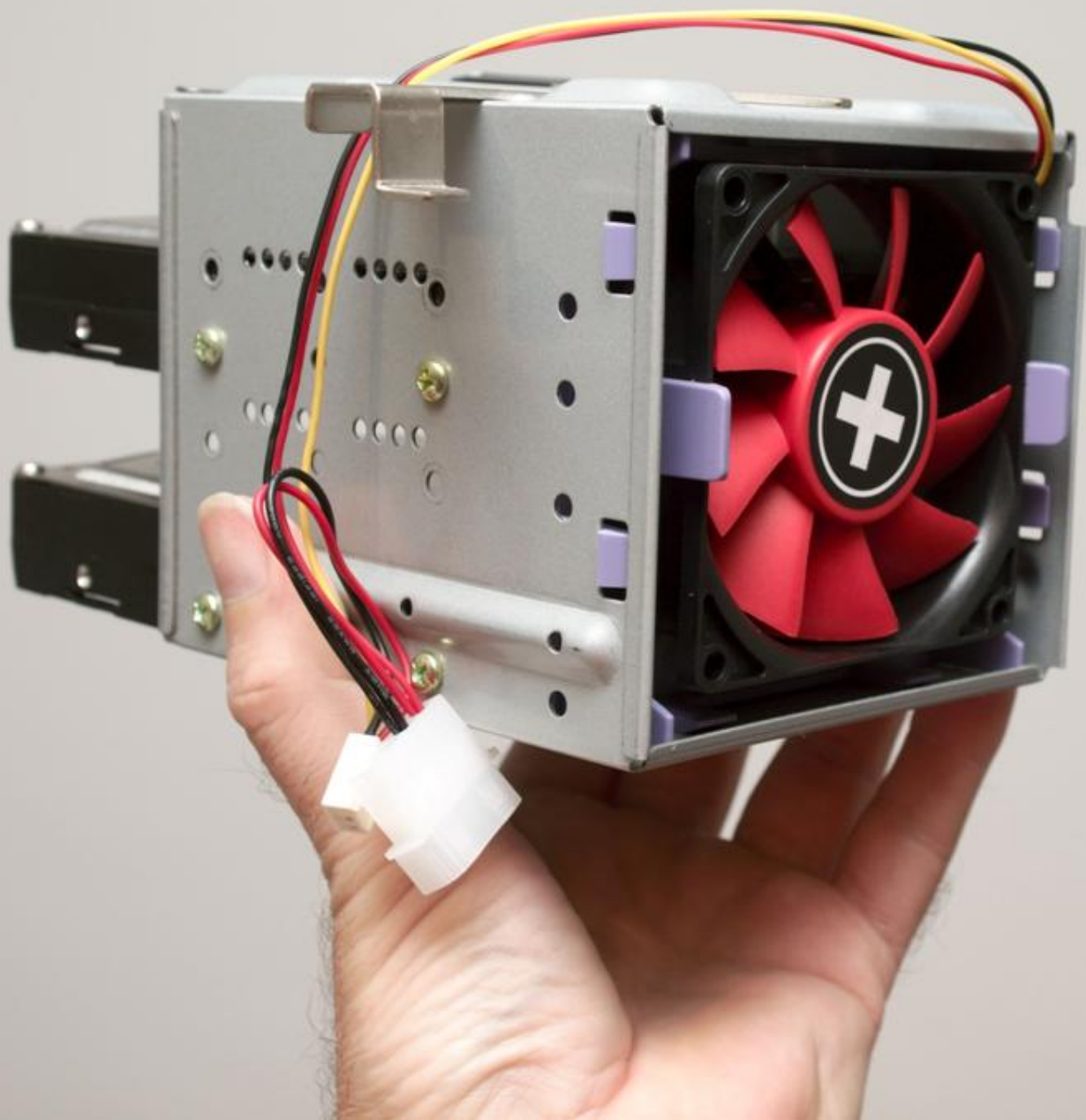




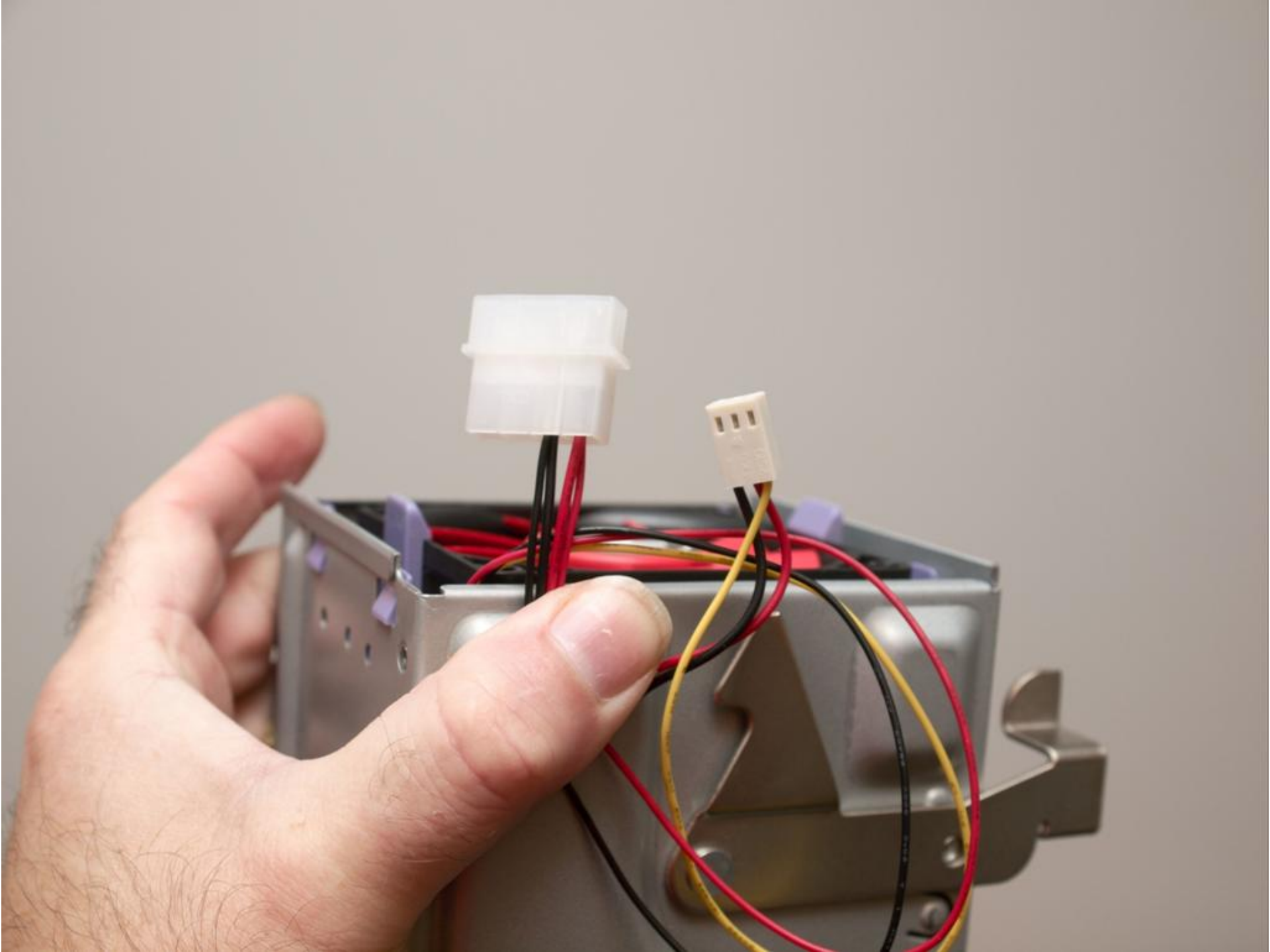


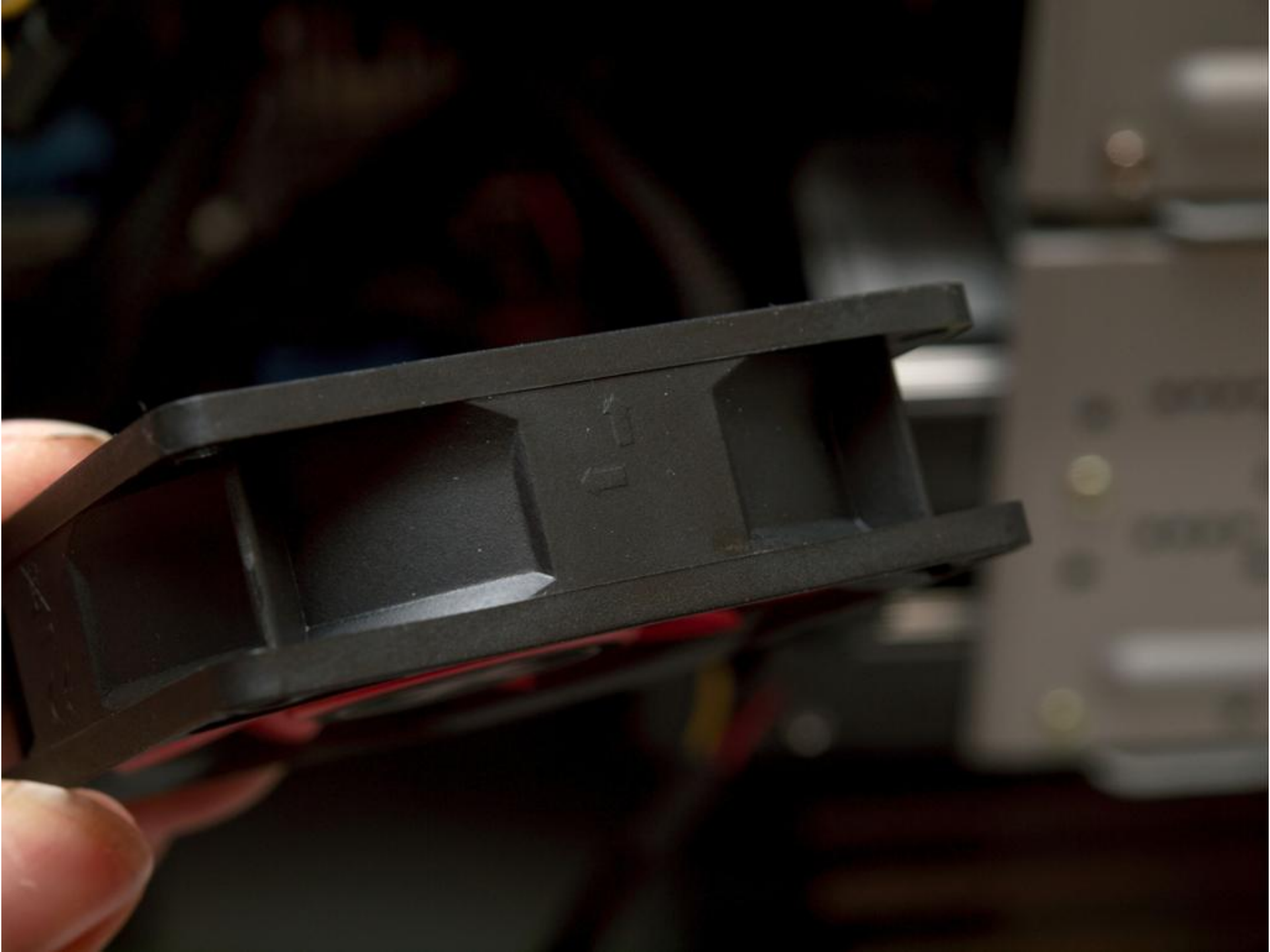


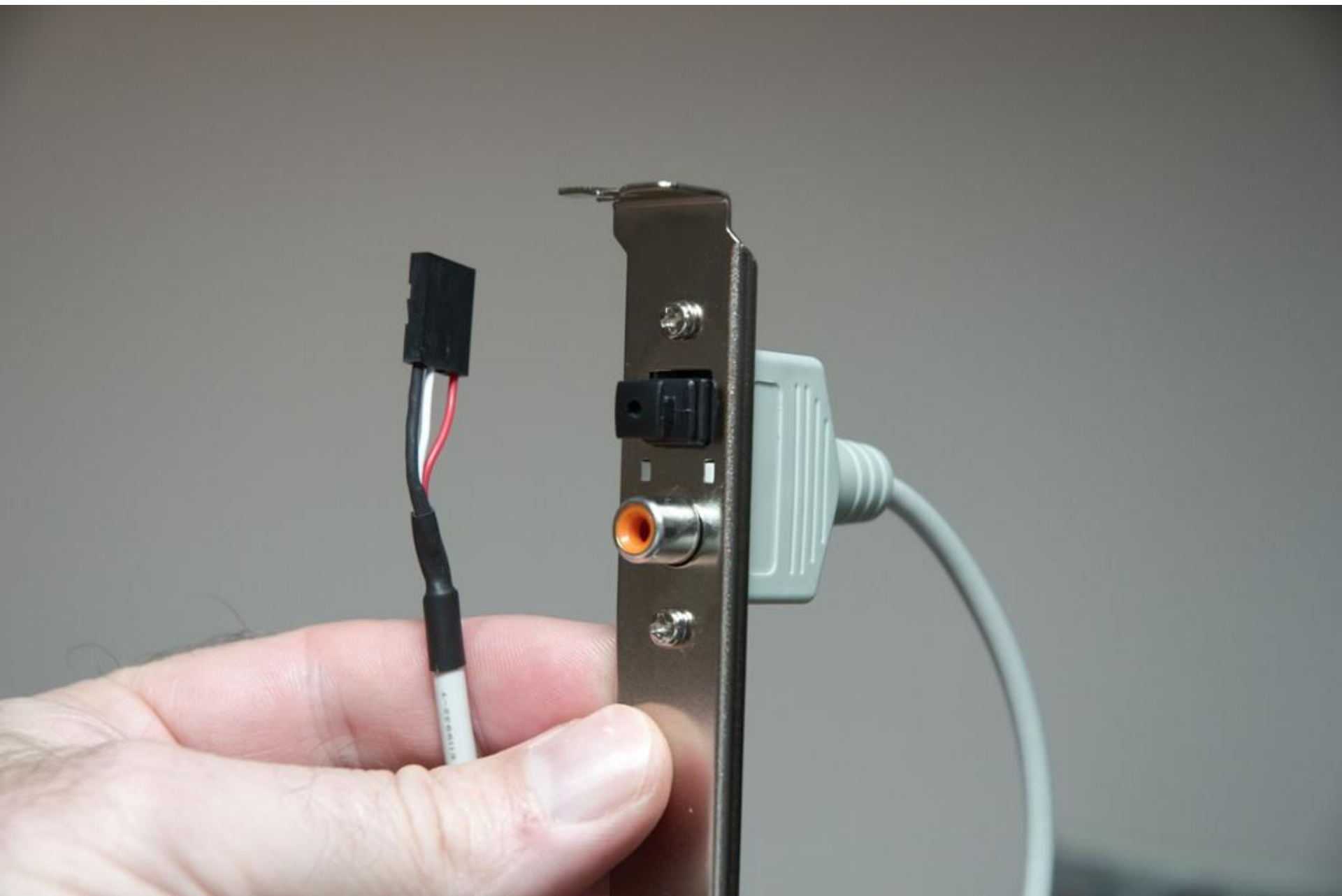


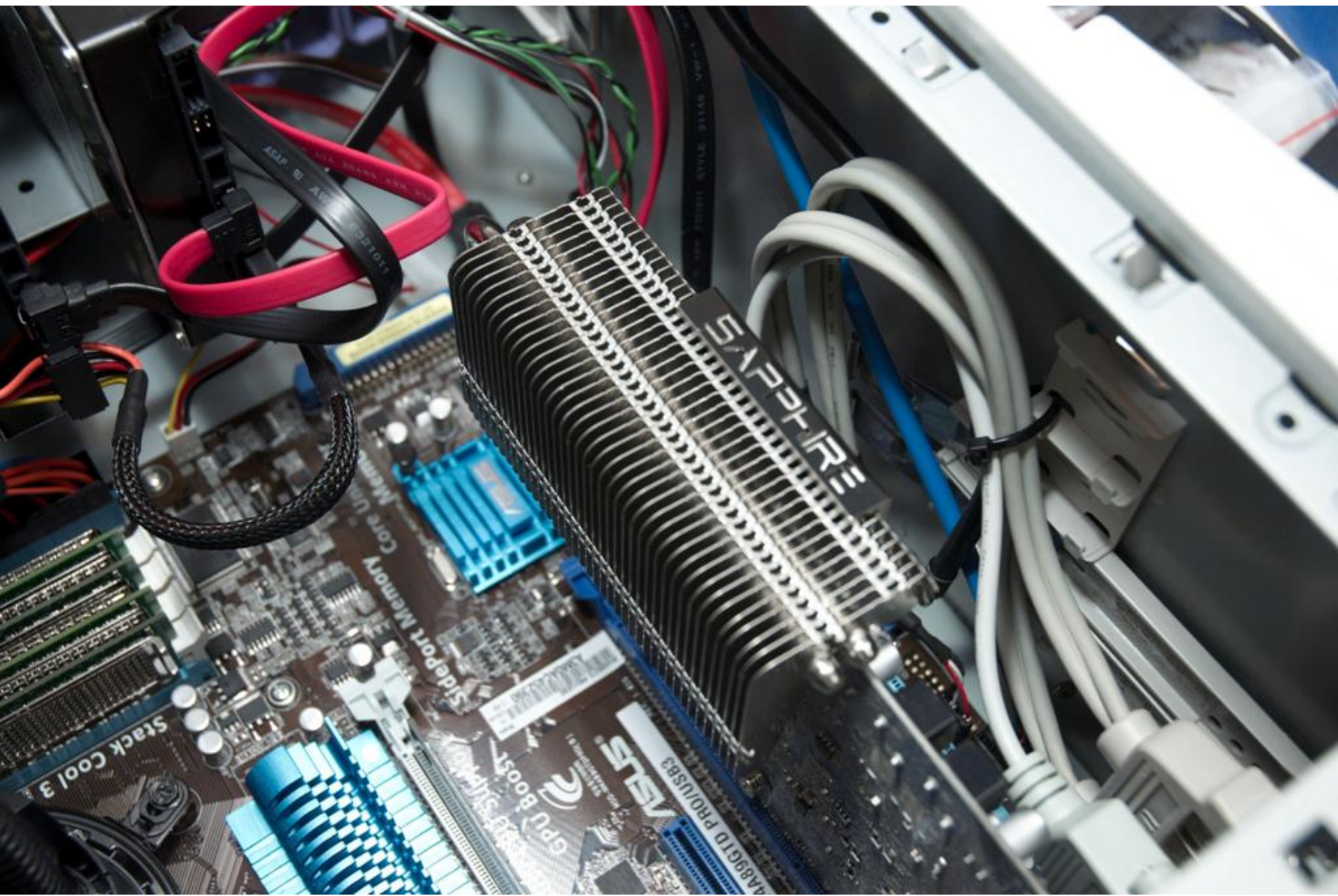


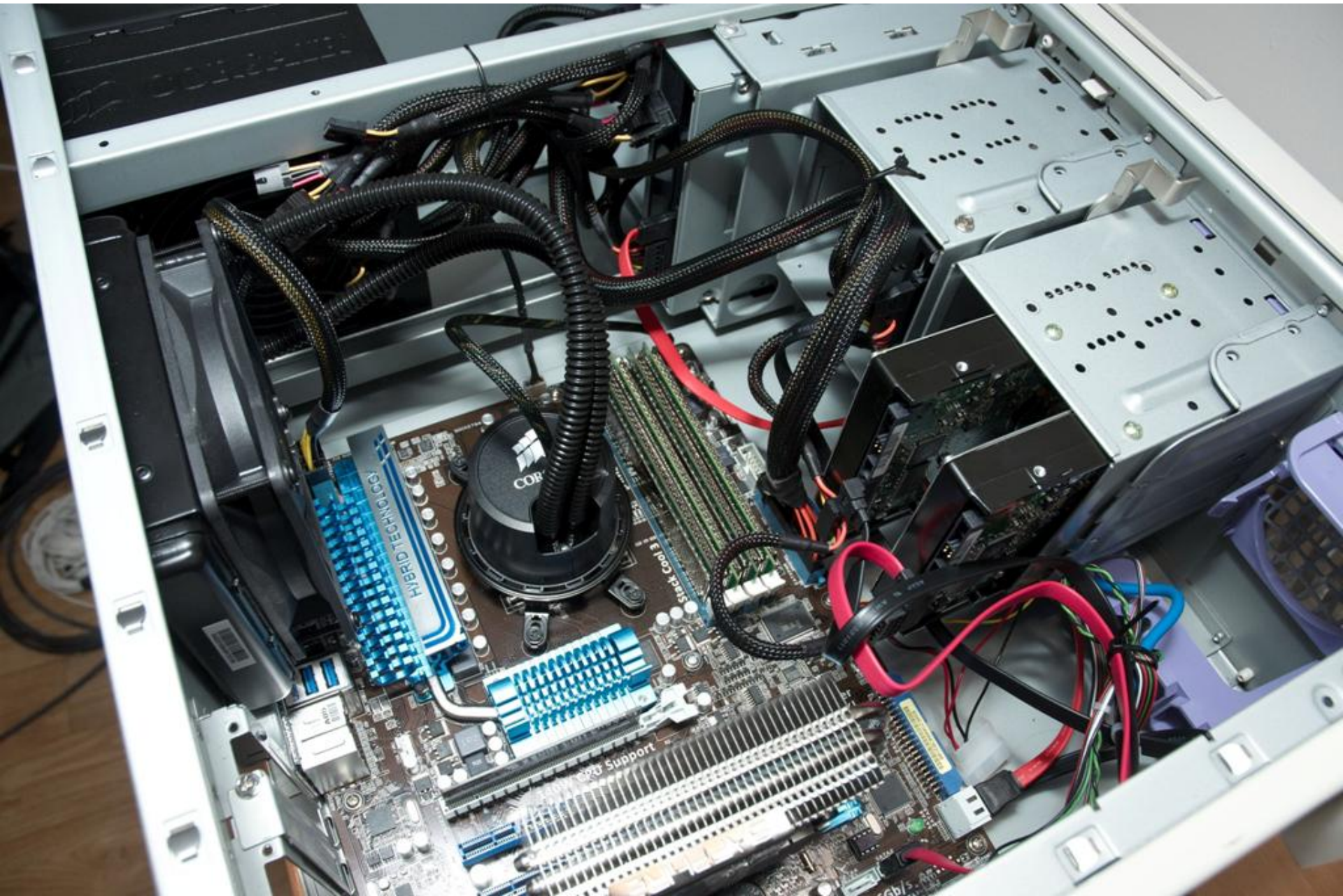




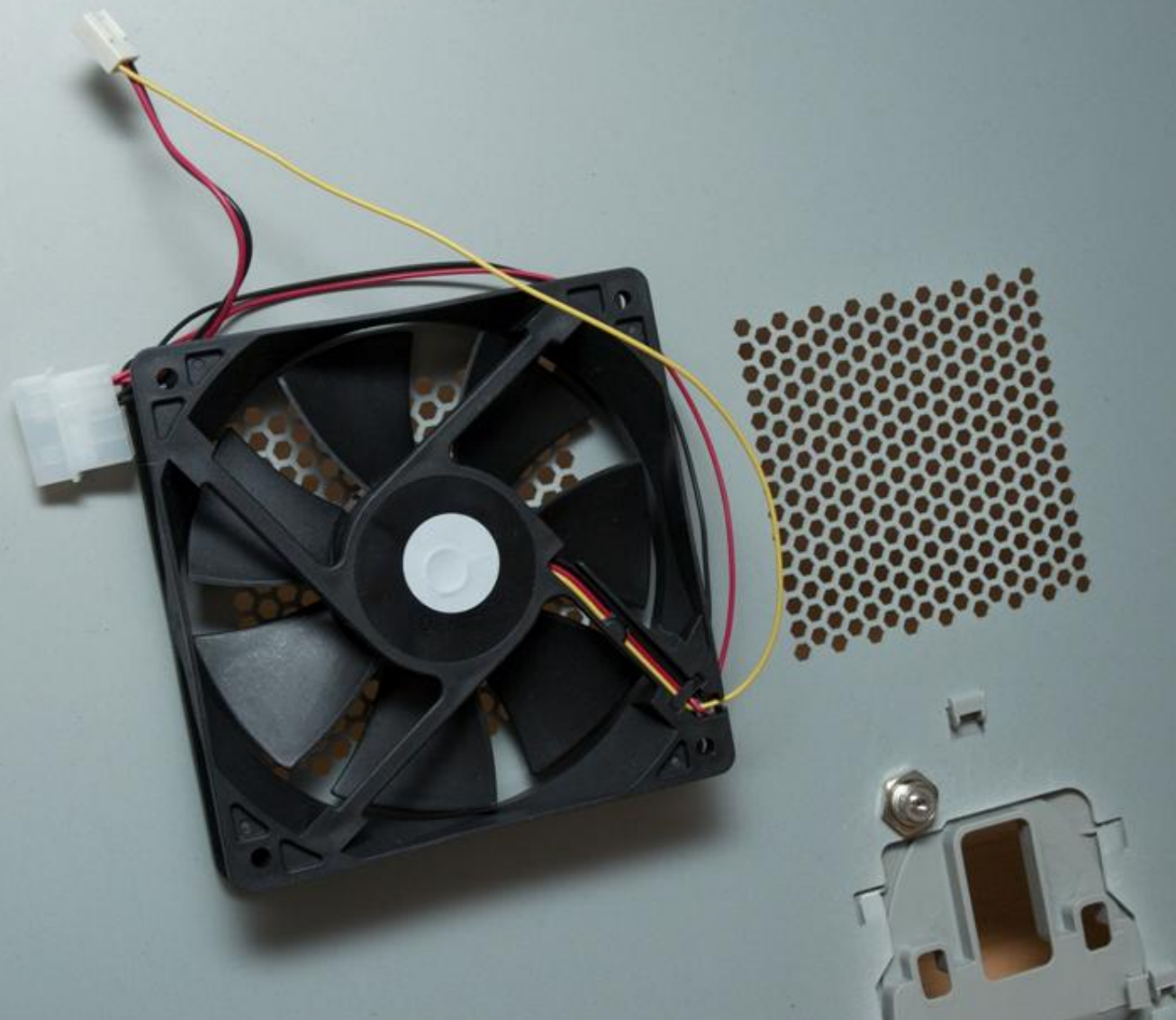














Prime95

Test Edit Advanced Options Window Help

Main thread

[Aug 1 16:49] Mersenne number
[Aug 1 16:49] Starting worker thread

Worker thread #1 - Self-Test

[Aug 1 17:06] Test 1, 800000 Lucas-Lehmer iterations of M163839 using FFT length 8K.
[Aug 1 17:07] Test 2, 800000 Lucas-Lehmer iterations of M159745 using FFT length 8K.
[Aug 1 17:08] Test 3, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.
[Aug 1 17:09] Test 4, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.
[Aug 1 17:10] Test 5, 800000 Lucas-Lehmer iterations of M147455 using FFT length 8K.
[Aug 1 17:11] Test 6, 800000 Lucas-Lehmer iterations of M143361 using FFT length 8K.

Worker thread #2 - Self-Test

[Aug 1 17:06] Test 1, 800000 Lucas-Lehmer iterations of M163839 using FFT length 8K.
[Aug 1 17:07] Test 2, 800000 Lucas-Lehmer iterations of M159745 using FFT length 8K.
[Aug 1 17:08] Test 3, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.
[Aug 1 17:09] Test 4, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.
[Aug 1 17:10] Test 5, 800000 Lucas-Lehmer iterations of M147455 using FFT length 8K.
[Aug 1 17:11] Test 6, 800000 Lucas-Lehmer iterations of M143361 using FFT length 8K.

Worker thread #3 - Self-Test

[Aug 1 17:06] Test 1, 800000 Lucas-Lehmer iterations of M163839 using FFT length 8K.
[Aug 1 17:07] Test 2, 800000 Lucas-Lehmer iterations of M159745 using FFT length 8K.
[Aug 1 17:08] Test 3, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.
[Aug 1 17:09] Test 4, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.
[Aug 1 17:10] Test 5, 800000 Lucas-Lehmer iterations of M147455 using FFT length 8K.
[Aug 1 17:11] Test 6, 800000 Lucas-Lehmer iterations of M143361 using FFT length 8K.

Worker thread #4 - Self-Test

[Aug 1 17:06] Test 1, 800000 Lucas-Lehmer iterations of M163839 using FFT length 8K.
[Aug 1 17:07] Test 2, 800000 Lucas-Lehmer iterations of M159745 using FFT length 8K.
[Aug 1 17:08] Test 3, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.
[Aug 1 17:09] Test 4, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.
[Aug 1 17:10] Test 5, 800000 Lucas-Lehmer iterations of M147455 using FFT length 8K.
[Aug 1 17:11] Test 6, 800000 Lucas-Lehmer iterations of M143361 using FFT length 8K.

Worker thread #5 - Self-Test

[Aug 1 17:08] Test 3, 800000 Lucas-Lehmer iterations of M159745 using FFT length 8K.
[Aug 1 17:09] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.
[Aug 1 17:10] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.
[Aug 1 17:11] Test 6, 800000 Lucas-Lehmer iterations of M147455 using FFT length 8K.
[Aug 1 17:12] Test 7, 800000 Lucas-Lehmer iterations of M143361 using FFT length 8K.
[Aug 1 17:13] Test 8, 800000 Lucas-Lehmer iterations of M143361 using FFT length 8K.

Worker thread #6 - Self-Test

[Aug 1 17:08] Test 3, 800000 Lucas-Lehmer iterations of M159745 using FFT length 8K.
[Aug 1 17:09] Test 4, 800000 Lucas-Lehmer iterations of M157695 using FFT length 8K.
[Aug 1 17:10] Test 5, 800000 Lucas-Lehmer iterations of M155649 using FFT length 8K.
[Aug 1 17:11] Test 6, 800000 Lucas-Lehmer iterations of M147455 using FFT length 8K.
[Aug 1 17:12] Test 7, 800000 Lucas-Lehmer iterations of M143361 using FFT length 8K.
[Aug 1 17:13] Test 8, 800000 Lucas-Lehmer iterations of M143361 using FFT length 8K.

For Help, press F1

ASUS TurboV EVO

TurboV

Turbo Key

Manual

Easy Mode

Auto Tuning



Profile :

Save Profile

CPU Frequency : 272 272 (MHz) ←
CPU Voltage : 1.4 1.4 (V) ←
CPUiB Voltage : 1.15 1.15 (V) ←
DRAM Voltage : 1.55 1.55 (V) ←

Advanced Mode

CPU Ratio

Turbo Unlocker:

ON OFF

CPU Core : Core.01

CPU Ratio : ←

14.0 3808 MHz



More Settings

OS Default Settings

Apply

Reboot

CPU-Z

CPU Caches Mainboard Memory SPD Graphics

Processor

Name AMD Phenom II X6 1055T
Code Name Thuban
Package Socket AM3 (938)
Technology 45 nm
Core Voltage 1.428 V

Specification AMD Phenom(tm) II X6 1055T Processor

Family F Model A Stepping 0
Ext. Family 10 Ext. Model A Revision PH-ED

Instructions MMX(+), 3DNow!(+), SSE (1, 2, 3, 4A), x86-64, AMD-V

Clocks (Core #0)

Core Speed 3808.0 MHz
Multiplier x 14.0
Bus Speed 272.9 MHz
HT Link 2183.3 MHz

Cache

L1 Data 6 x 64 KBytes 2-way
L1 Inst 6 x 64 KBytes 2-way
Level 2 6 x 512 KBytes 16-way
Level 3 6 MBytes 48-way

Selection Processor #1 Cores 6 Threads 6

CPU-Z Version 1.55

Validate

OK

CPU-Z

CPU Caches Mainboard Memory SPD Graphics About

General

Type DDR3
Size 4096 MBytes
Channels # Dual
DC Mode Unganged
NB Frequency 2106.9 MHz

Timings

DRAM Frequency 729.0 MHz
FSB/DRAM 3:8
CAS# Latency (CL) 9.0 clocks
RAS# to CAS# Delay (tRCD) 9 clocks
RAS# Precharge (tRP) 9 clocks
Cycle Time (tRAS) 24 clocks
Bank Cycle Time (tRC) 27 clocks
Command Rate (CR) 1T

DRAM Size Total
Total CAS# (PROGRAM)
Row To Column (tRC)

CPU-Z Version 1.55

Validate

OK

17:14

01/08/2010