

Components code and abbreviation on Laptop motherboard

COMPONENTS CODE

CODE COMPONENT

C :CAPACITOR

D IODE

F :FUSE

L :INDUCTOR

PC :POWER CAPACITOR

PD :POWER DIODES/DIODE

PL :POWER INDUCTOR

PQ :POWER TRANSISTOR

PR :POWER RESISTOR

PU :POWER INTEGRATED CIRCUIT

Q :TRANSISTOR

R :RESISTOR

T : Transformers

U :INTEGRATED CIRCUIT/BGA CHIP/EMBEDDED CONTROLER/BIOS IC,ETC

X : Terminal strips, terminations, joins .oscillator

Y : Crystal

ABBREVIATION ON LAPTOP MOTHERBOARD FOR SCHEMATIC

AC : Alternating current

ACDRV : AC adapter to system-switch driver output

ACEDET : Adaptor Current Detector

ACGOOD : Valid adapter active-low detect logic open-drain output

ACIN : Adaptor Current sensor Input

ACN : Adapter current sense resistor

ACOP : Input Over-Power Protection

ACOV : Input Overvoltage Protection

.ACP : Adapter current sense resistor, positive input

ADP+ : Adapter Positif Suplay

ADP_ID : Adapter Identity

AGND :Analog Ground

ALWP :ALWAYS ON POWER

B+ : AC OR BAT POWER RAIL FOR POWER CIRCUIT

BATT : Battery

BAT+ :BAT POWER RAIL FOR POWER CIRCUIT

BAT_DRV :Bat Fet Gate Driver

BAT_V Battery Voltage

BOM :BILL OF MATERIAL MANAGEMENT

BT :BUTTON

BT_EN :Bluetooth Enable

BUZER :Connected

BYP :Baypass

CHGEN : Charge enable active-low logic input

CIN : Input Capacitor

CLK_EN :CLKOCK ENABLE

CN :CONNECTOR

CRT :Cathode ray tube

CSIN :Current Sensor input Negatif

CSIP :Current Sensor input Positif

DC irect current

DM IM/DIM SOCKET/SOKET MEMORY/SOKET DDR

DOCK OCKING SOCKET

EC :Embedded Controler

EC_ON :Embeded Controler Enable

(EMI :Elektromagnetik Interference(GANGGUAN ELEKTROMAGNETIK

EN :ENABLE

ENTRIP :Enable Terminal

F :FUSE

.FSEL : Frequency Select Input

GATE : Trigger gate

GND :Ground

GP :GROUND PIN

GPI :General Power Input

GPIO :General Power Input Output

HDMI :High-Definition Multimedia Interface

ID :Continuous Drain Current

IDM :Pulsed Drain Current

IIN : Operating Supply Current

IIN(SHDN): Shutdown Supply Current

IIN(STBY): Standby Supply Current

(IS :Continuous Source Current (Diode Conduction

IVIN :Battery Supply Current at VIN pin

JP :JUMPER POINT

KBC :Keyboard Controller

LCDV :LCD POWER

LDO :Linear Driver Output

LGATE : Lower-side MOSFET gate signal

LPC :Low Pin Count

(LVDS :Low-voltage differential signaling(SYSTEM PENSIGNALAN

MBAT :MAIN BATTERY

NB :North Bridge

ODD :OUTPUT DISC DRIVE

PCI :Peripheral Component Interconnect

PGOOD : Power good open-drain output

PIR :PRODUCT IMPROVED RECORD

PSI# :Current indicator input

PVCC : IC power positive supply

RSMRST : Resume Reset

RTC :REAL TIME CLOCK

SB : South bridge

SHDN :Shutdown

SYS_SDN :System Shutdown

SPI :Serial Peripheral Interface

TD eath Time

THRM :THERMAL SENSOR

TMDS :Transition Minimized Differential Signaling(TRANSMISI DATA
(TEKNOLOGY

TP :TES POINT

TPAD :THERMAL PAD

UVLO : Input Undervoltage Lock Out

(V :RAIL(POWER

V+ :Positive Voltage

VADJ : Output regulation voltage

VALW :ALWAYS ON POWER

VALWP :VALW PAD

VBAT :BATTERY POWER

(VCCP :power chip(ich,graphic chips

VCORE :POWER PROCESOR

VDD : Control power supply

(VDDR :POWER DDR (VDRAM/VRAM/VMEM

VDS :VOLTAGE DRAIN SOURCE

VFB : feedback inputs Power

VGS :VOLTAGE GATE SOURCES

VIN : Input Voltage Range

(VIN :ADAPTER POWER SUPLAY(vol_in

VL :Power Lock

VL :voltage across the load/Tegangan beban resistor

VL :Voltage Linear

VLDOIN :Power supply of the VTT and VTTREF output stage (to
.(powerMOS

VOT :Volt_out

VRAM :Power Memori

VREF :POWER REFERENCES/SCHEMA REFERENCE/PERMINTAAN SKEMA

VS :SUITCH POWER

VS+ :SUPPORT VOLTAGE POSITIF

VSF :POWER SWITCH BUTTON

.VSS : Signal ground

VSW :POWER SWICT

VTT : Memory Termination Voltage

VTERM :Memory Termination Voltage

VUSB :POWER USB

(VGA :POWER VGA (VGFX/VGPU/VCVOD

VGFX :POWER GRAPHIC CHIP

VREF :VOLTAGE REFERENCES