

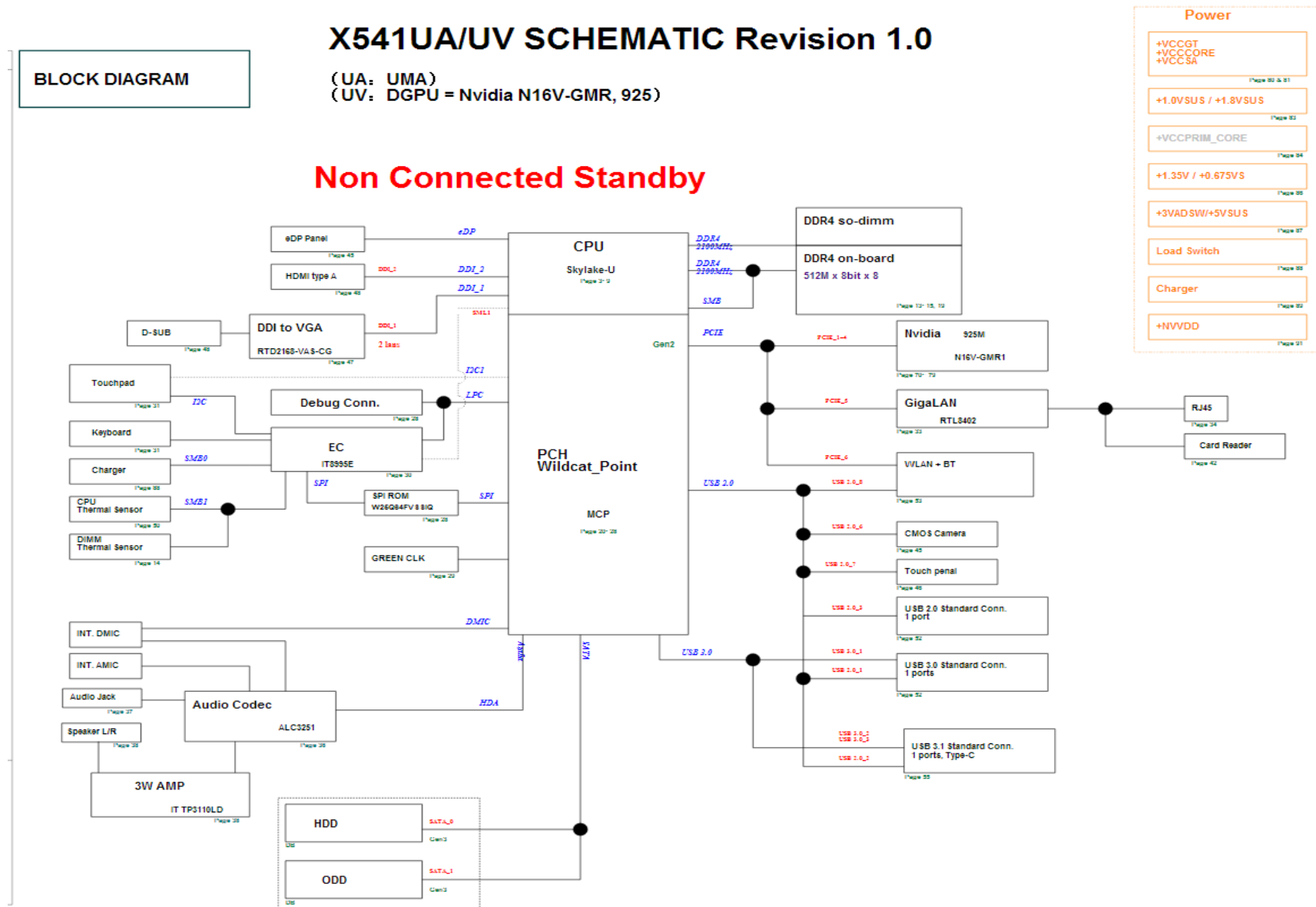
BLOCK DIAGRAM

X541UA/UV SCHEMATIC Revision 1.0

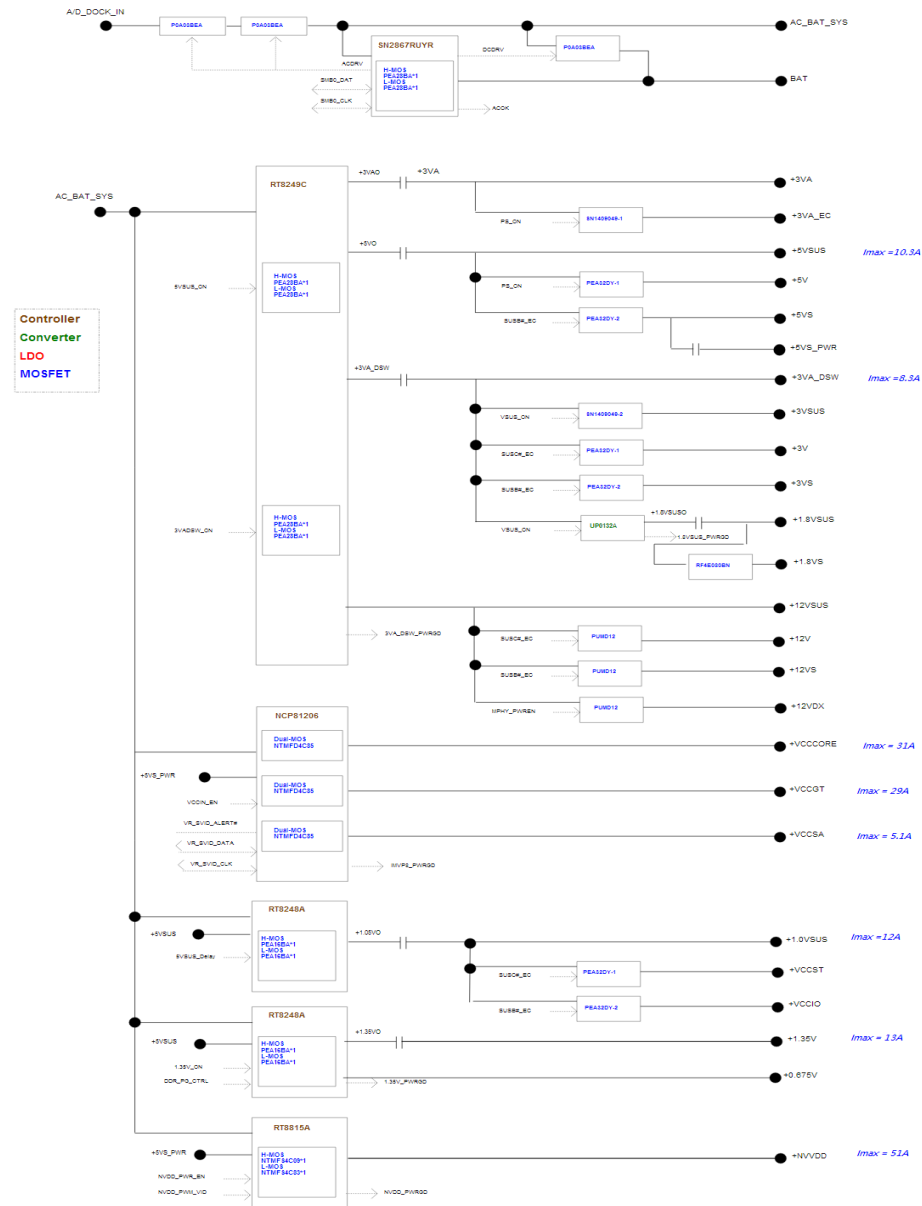
(UA: UMA)
(UV: DGPU = Nvidia N16V-GMR, 925)

BLOCK DIAGRAM

Non Connected Standby

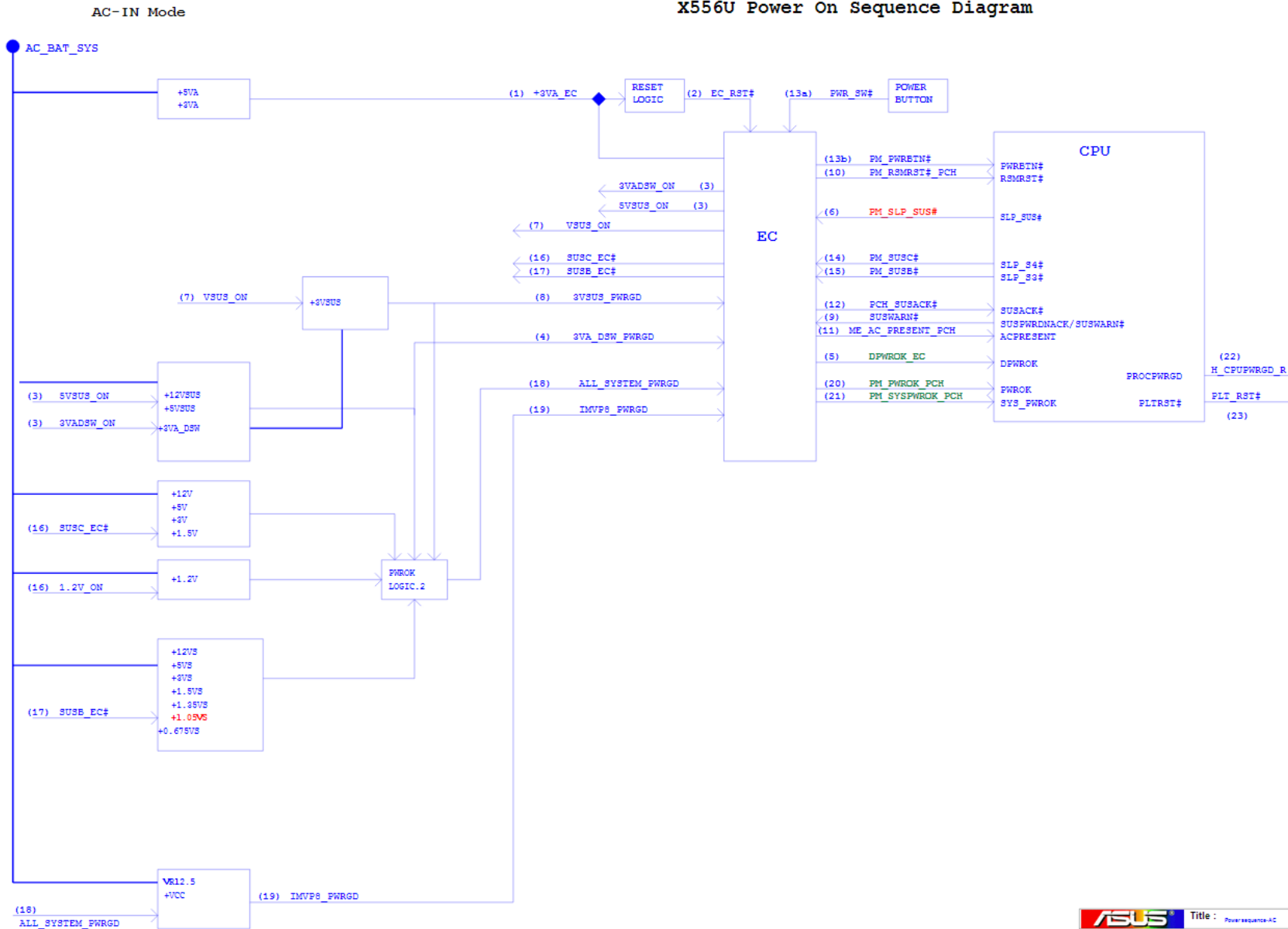


POWER FLOW



POWER ON SEQUENCE

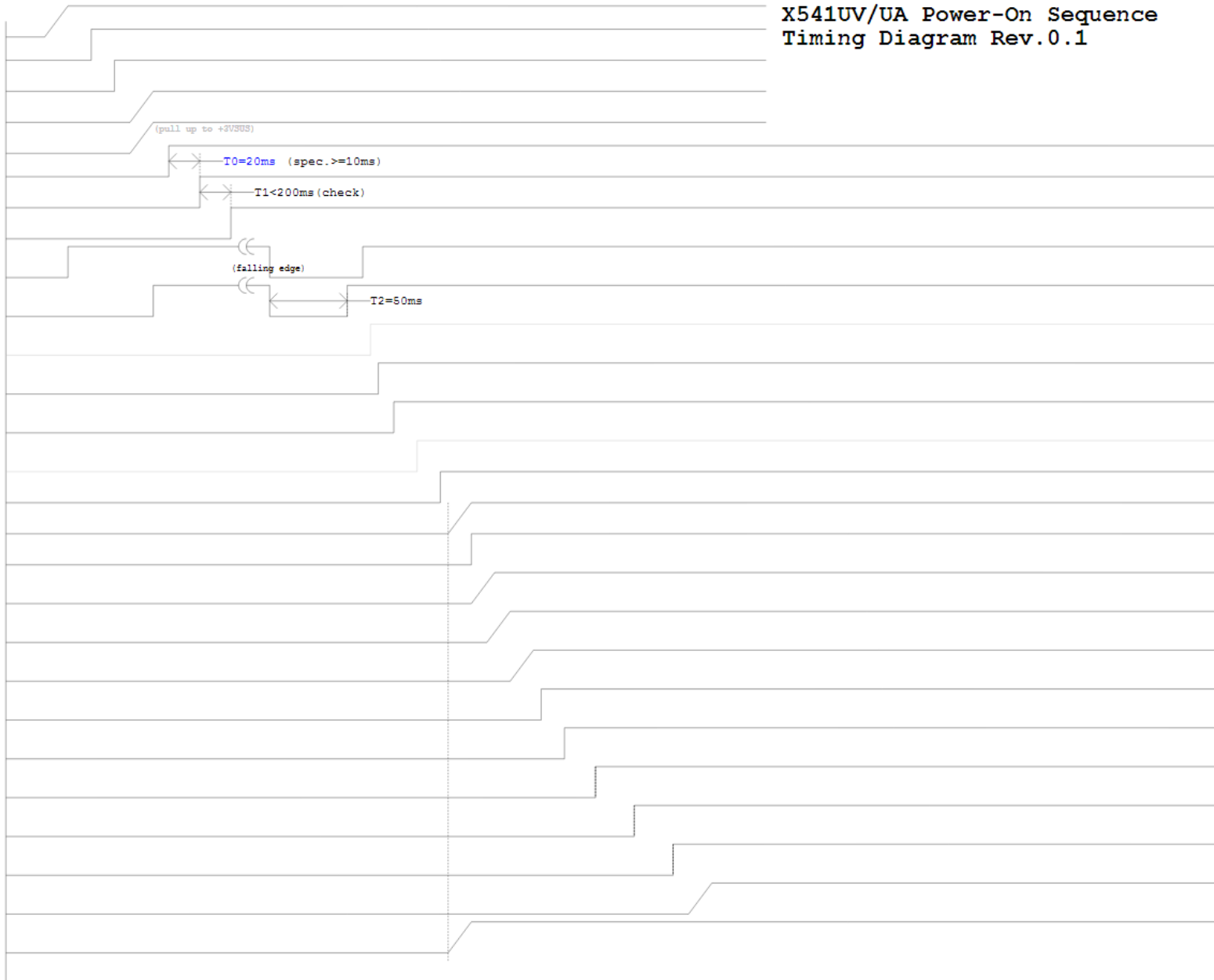
X556U Power On Sequence Diagram



AC Mode Power On Timing

AC-IN Mode

1 +3VA/+3VA_EC
 (to EC) 2 EC_RST#
 (EC to power) 3 5VSUS_ON
 3VA_DSW_ON
 +3VA_DSW/+5VSUS/+12VSUS
 (PCH to EC) 4 ME_SusPwrDnAck_R
 (power to EC) 5 3VSUS_FWRGD
 (EC to PCH) 6 PM_RSMRST#
 (EC to PCH) 7 AC_PRESENT
 (to EC) 8 FWR_SW#
 (EC to PCH) 9 PM_FWRBTN#
 (PCH to EC) 10 PM_SLP_A#
 (PCH to EC) 11 PM_SUSC#
 12 PM_SUSB#/SLP_LAN#
 (PCH to EC) (PCH to power)
 (EC to power) ME_SLP_M_EC#
 (EC to power) 13 SUSC_EC#
 +1.2V/+2.5V/+3V/+12V/+VCCST
 (EC to power) 14 SUSB_EC#
 +1.8V/+3V/+5V/+12V
 +VCCIO/+VccSTG
 VccST/VccPLL
 +VCCSA
 (power to EC) 15 IMVP8_FWRGD
 16 ALL_SYSTEM_FWRGD
 (EC to PCH) 17 PM_FWRDOK_PCH
 (PCH to EC) PCH_SUS_STAT#
 (PCH to EC) 18 PLT_RST#
 +VCCGT
 THERMTRIP#



DC Mode Power On Timing

DC-IN Mode

1 +3VA/+3VA_EC
(to EC) 2 EC_RST#

(EC to power) 3 SVSUS_ON
3VA_DSW_ON
+3VA_DSW/+5VSUS/+12VSUS

(PCH to EC) 4 ME_SusPwrOnAck_R
(power to EC) 5 3VSUS_FWRGD

(EC to PCH) 6 PM_RSMRST#

(EC to PCH) 7 AC_PRESENT

(to EC) 8 PWR_SW#

(EC to PCH) 9 PM_FWRBTN#

(PCH to EC) 10 PM_SLP_A#

(PCH to EC) 11 PM_SUSC#

12 PM_SUSB#/SLP_LAN#
(PCH to EC) (PCH to power)

(EC to power) ME_SLP_M_EC#

(EC to power) 13 SUSC_EC#

+1.2V/+2.5V/+3V/+12V/+VCCST

(EC to power) 14 SUSB_EC#

+1.8VS/+3VS/+5VS/+12VS
+VCCIO/+VccSIG

VccST/VccPLL

+VCCSA

(power to EC) 15 IMVP8_FWRGD

16 ALL_SYSTEM_FWRGD

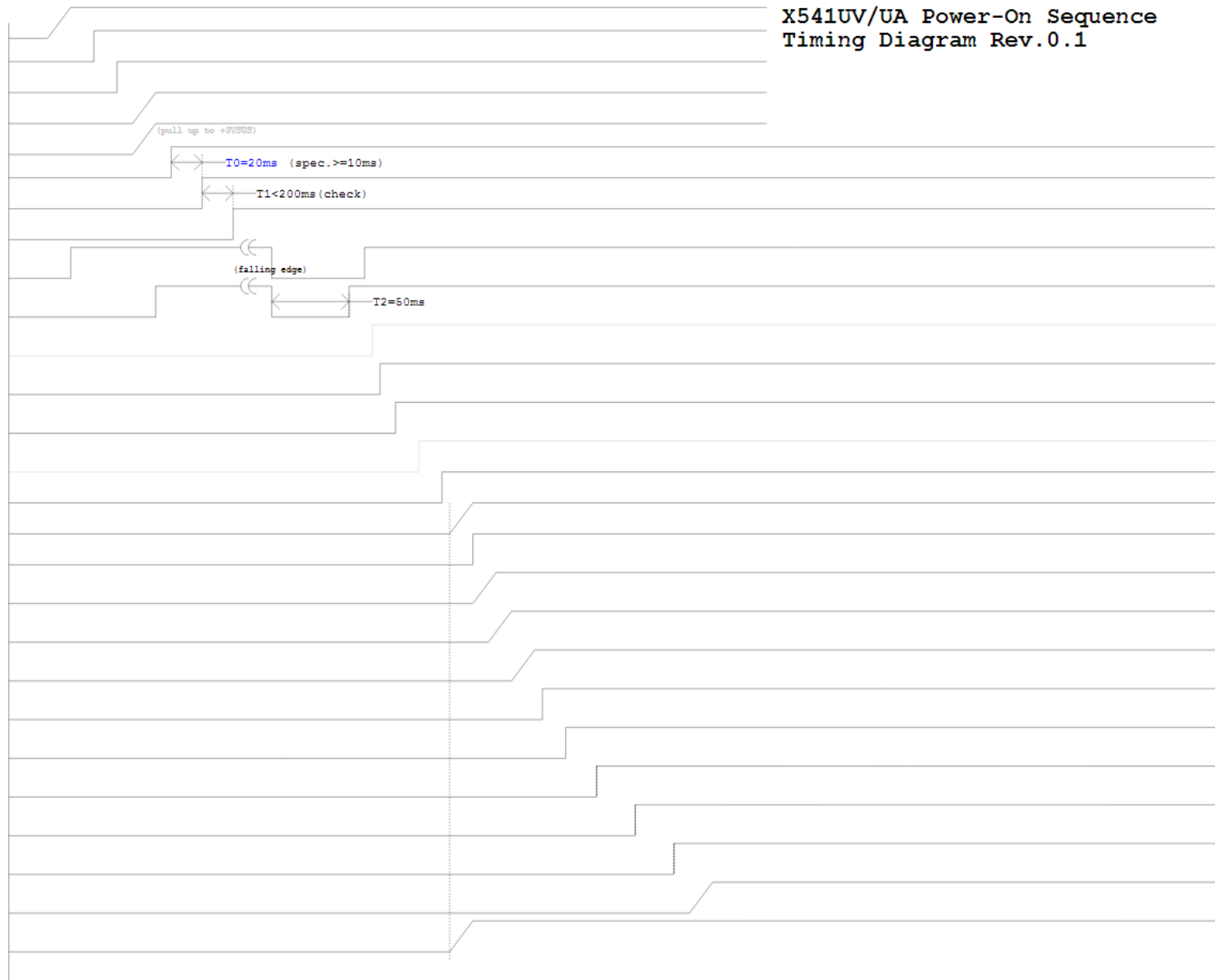
(EC to PCH) 17 PM_FWROR_PCH

(PCH to EC) PCH_SUS_STAT#

(PCH to EC) 18 FLT_RST#

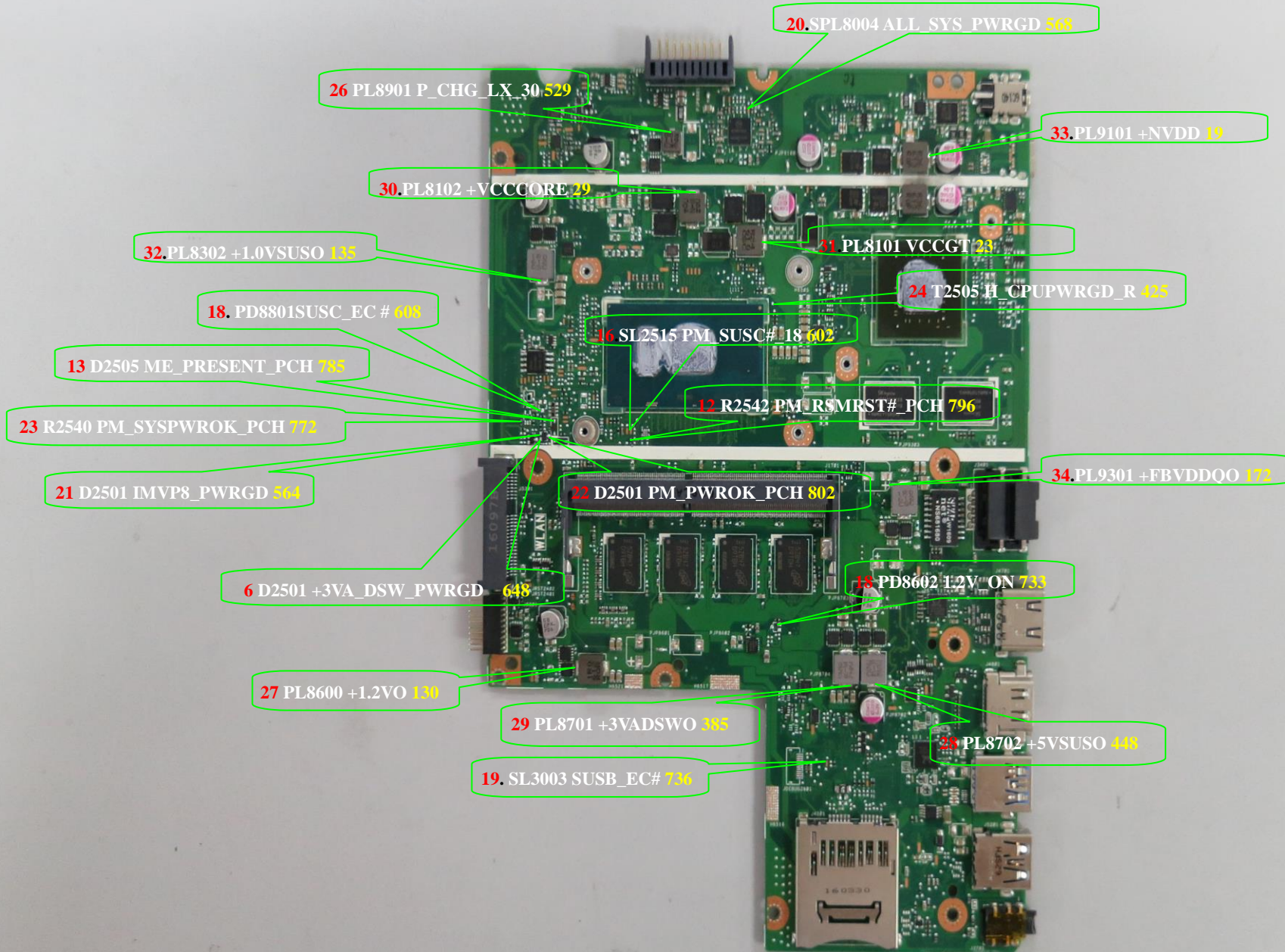
+VCCGT

THERMTRIP#

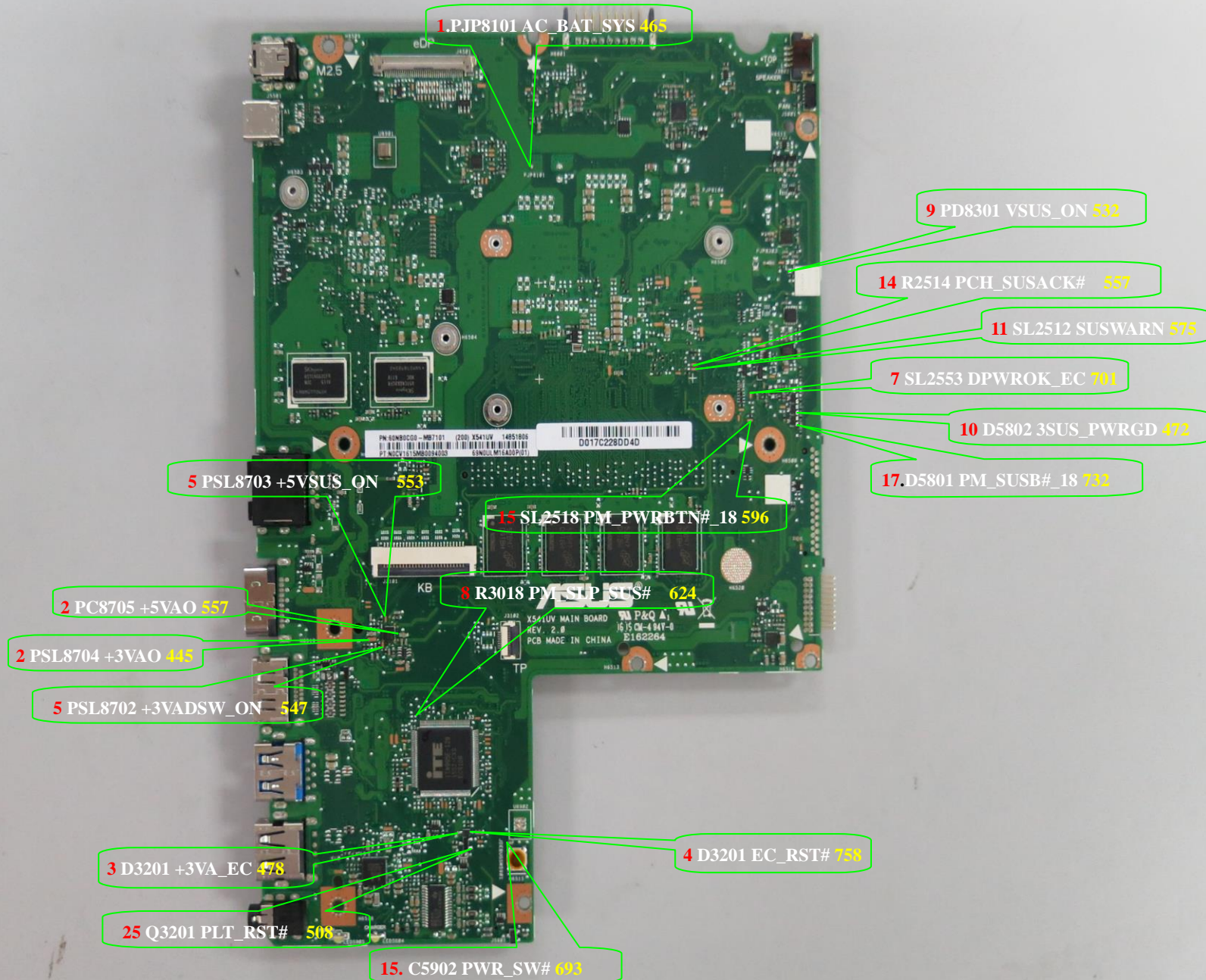


X541UV/UA Power-On Sequence
Timing Diagram Rev.0.1

Signal Measure Point-Bottom



Signal Measure Point-Top



Repair related F/W

Please follow the below path to download it from SIP WEB:

ASUS SIP

ITRS Support Repair Learning Project SLM Document Profile

Public Folder

Public Folder → GRMA → Key Parts Test → LCD Module → NB Touch Firmware Program

Document Name: X541UV Touch Panel F/W

Publisher: kelly_wang

Last Published: 2016.06.30 10:44:47

Product Type:

Model Series: N/A

Attachment:

password.txt(2)

Raydium FT SOP for ASUS_20160517.pdf(1)

20160506_B156XTK01_ASUS_X540_2.1.2.5.17.3.1_ASUS_FWUpdate.zip(2)

Remark:

If you cannot install ActiveX component of FTP from IE, please click [here](#) to download and execute setup.exe.

Content: