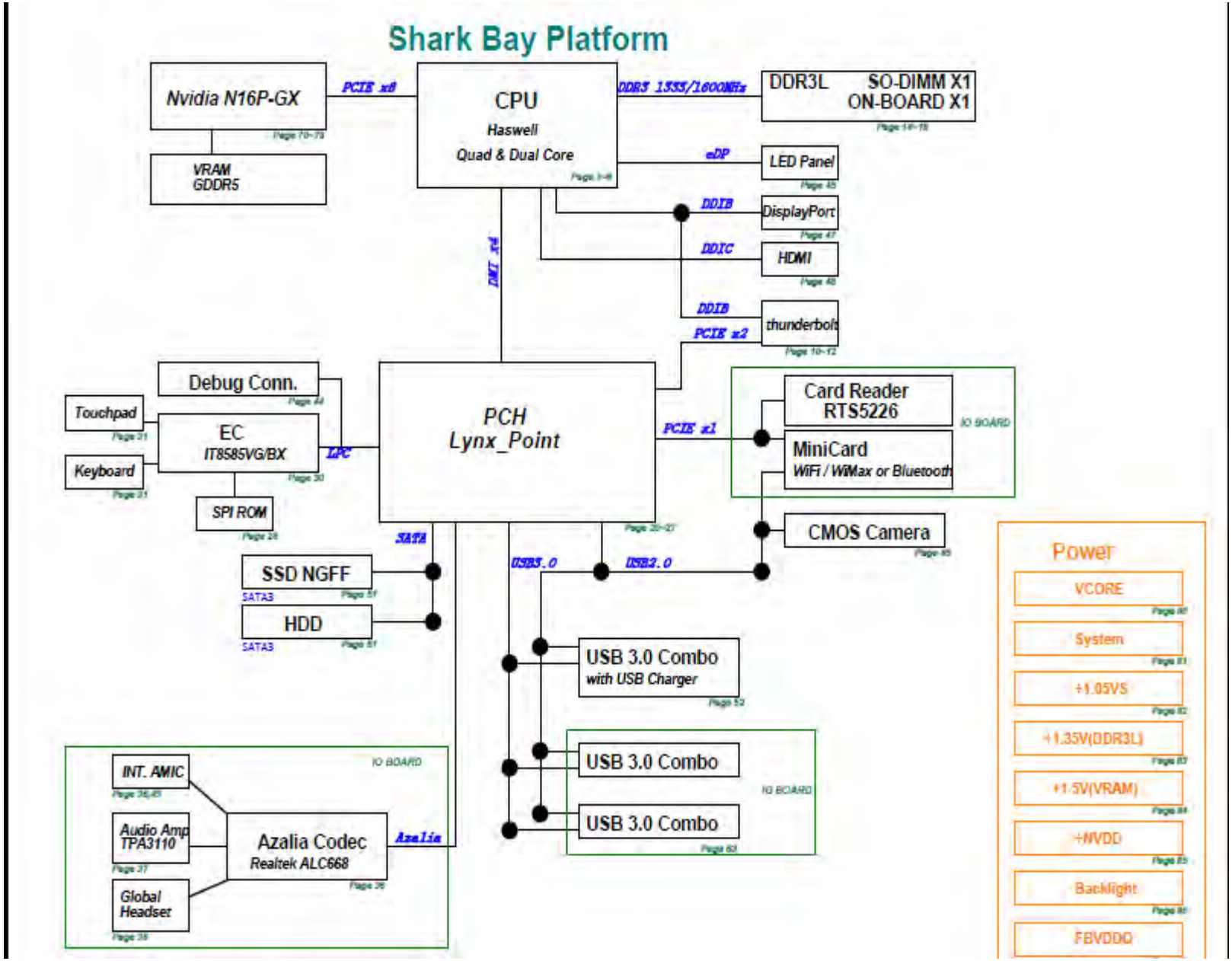
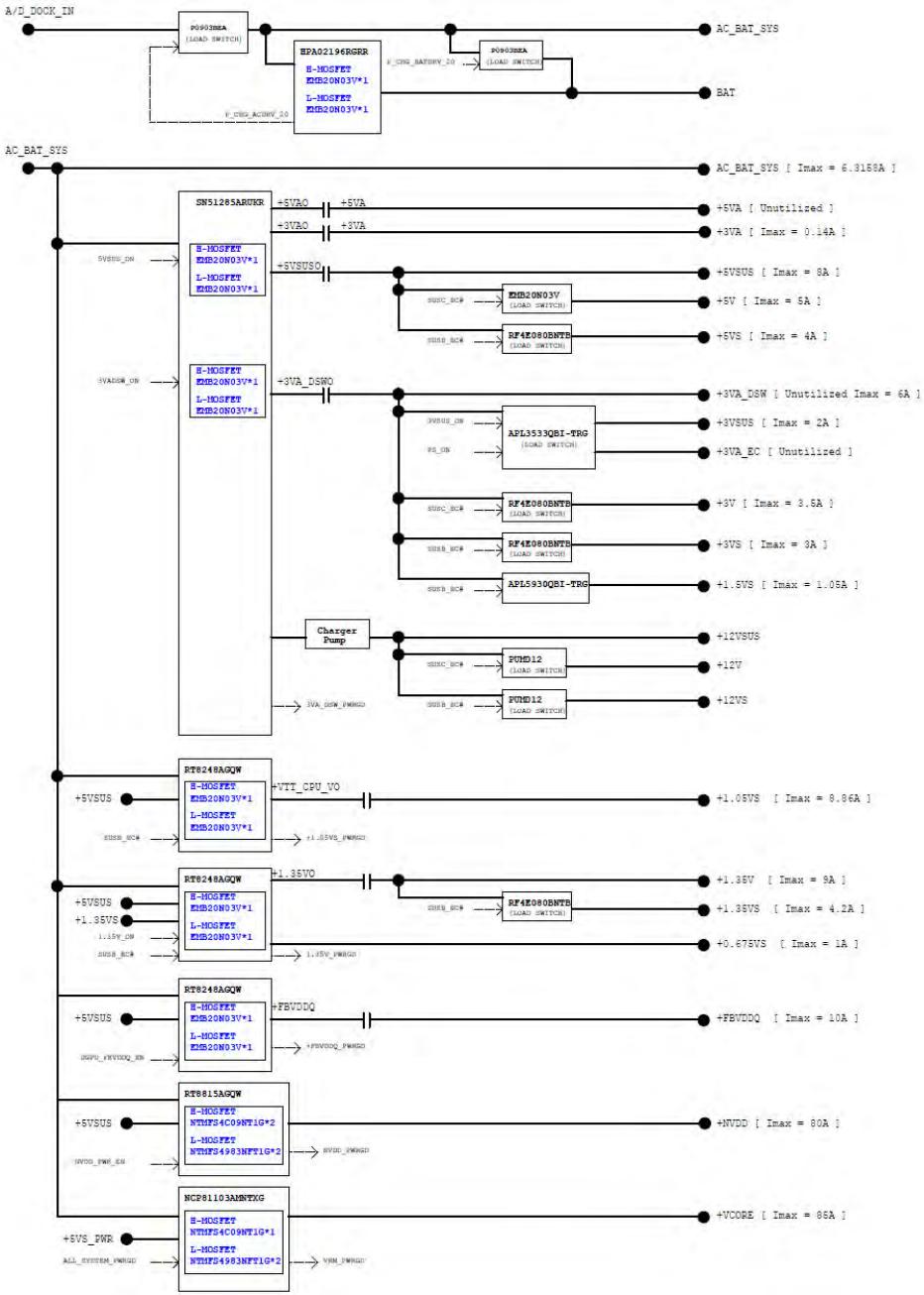
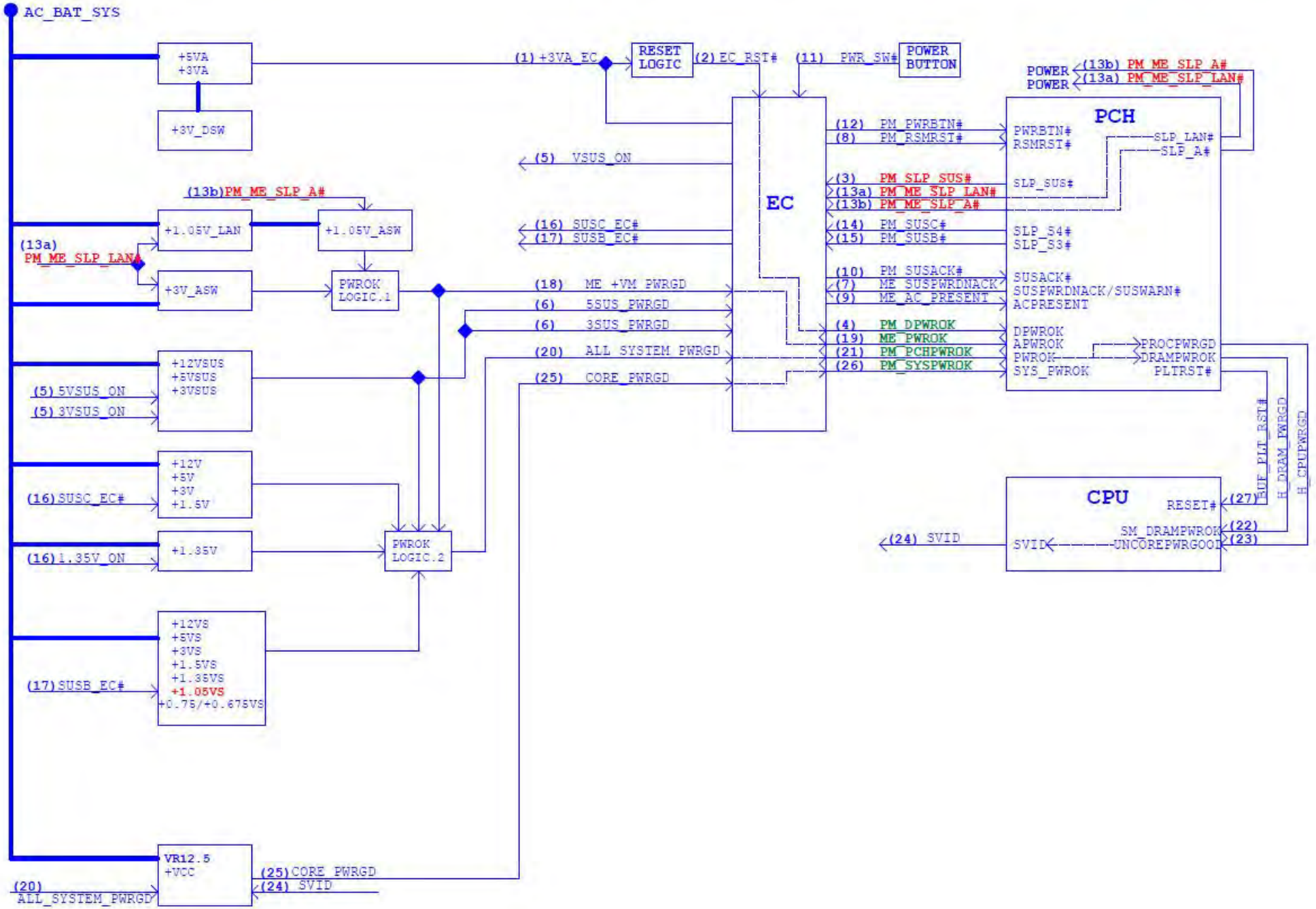
BLOCK DIAGRAM



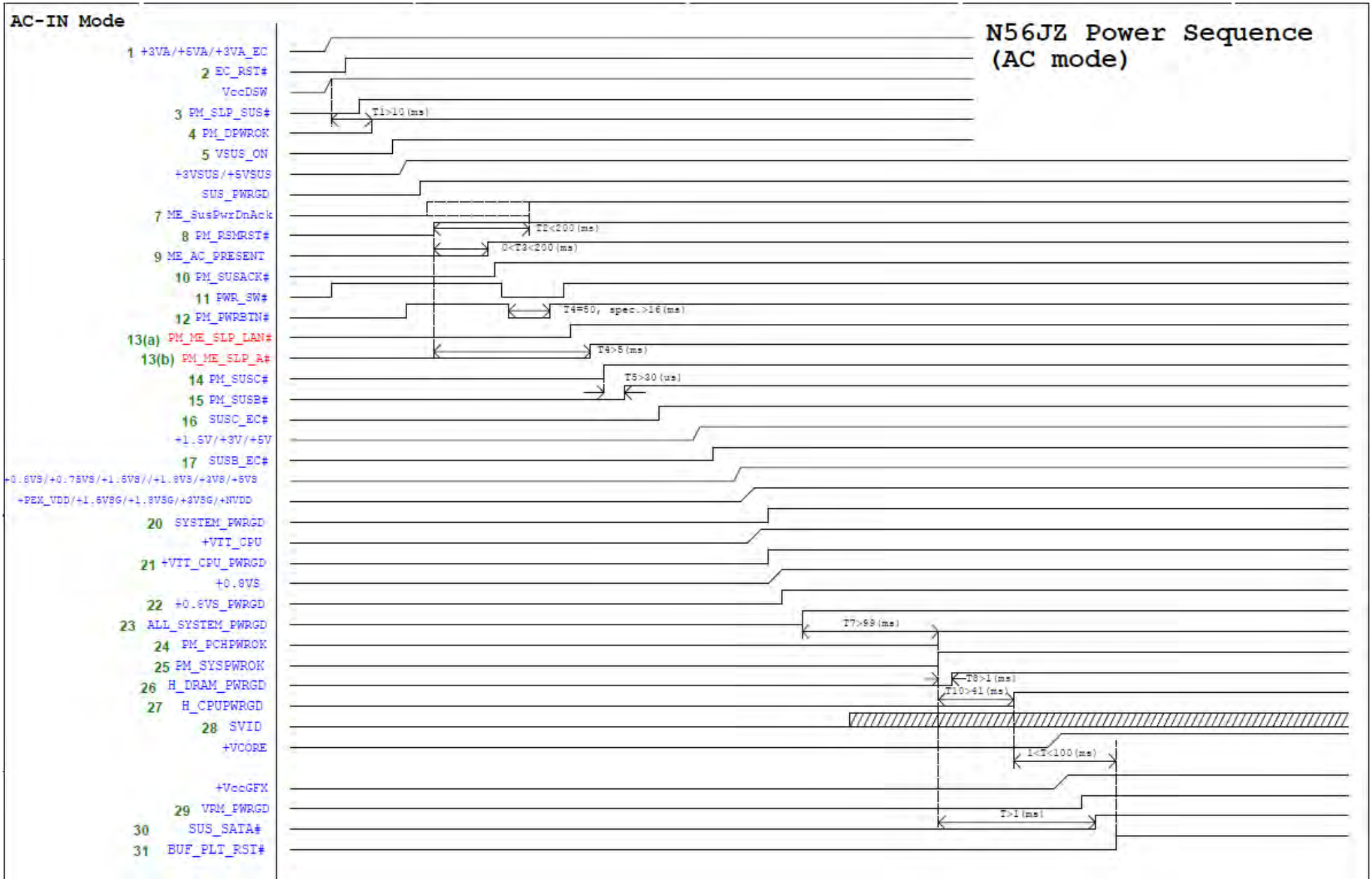
POWER FLOW


A/D_DOCK_IN
P0903MEA
(LOAD SWITCH)
EPA02196RGRR
H-MOSFET
EMB20N03V*1
L-MOSFET
EMB20N03V*1
P0903MEA
(LOAD SWITCH)
AC_BAT_SYS
BAT
AC_BAT_SYS
AC_BAT_SYS [Imax = 6.8158A]
SN51285ARGER
+5VAO
+5VA
+3VAO
+3VA
+5VSUSO
+5VA [Unutilized]
+3VA [Imax = 0.14A]
+5VSUS [Imax = 8A]
H-MOSFET
EMB20N03V*1
L-MOSFET
EMB20N03V*1
EMB20N03V
(LOAD SWITCH)
+5V [Imax = 5A]
RF4E080BNTB
(LOAD SWITCH)
+5VS [Imax = 4A]
H-MOSFET
EMB20N03V*1
L-MOSFET
EMB20N03V*1
+3VA_DSWO
+3VA_DSW [Unutilized Imax = 6A]
APL3533QBI-TRG
(LOAD SWITCH)
+3VSUS [Imax = 2A]
+3VA_EC [Unutilized]
RF4E080BNTB
(LOAD SWITCH)
+3V [Imax = 3.5A]
RF4E080BNTB
(LOAD SWITCH)
+3VS [Imax = 3A]
APL5930QBI-TRG
+1.5VS [Imax = 1.05A]
Charger
Pump
+12VSUS
PUMD12
(LOAD SWITCH)
+12V
PUMD12
(LOAD SWITCH)
+12VS
RT8248AGQW
H-MOSFET
EMB20N03V*1
L-MOSFET
EMB20N03V*1
+VTT_CPU_VO
+1.05VS [Imax = 8.86A]
RT8248AGQW
H-MOSFET
EMB20N03V*1
L-MOSFET
EMB20N03V*1
+1.35VO
+1.35V [Imax = 9A]
RF4E080BNTB
(LOAD SWITCH)
+1.35VS [Imax = 4.2A]
+0.675VS [Imax = 1A]
RT8248AGQW
H-MOSFET
EMB20N03V*1
L-MOSFET
EMB20N03V*1
+FBVDDQ
+FBVDDQ [Imax = 10A]
RT8815AGQW
H-MOSFET
NTMFS4C09NT1G*2
L-MOSFET
NTMFS4983NFT1G*2
+NVDD [Imax = 80A]
NCP81103AMNTXG
H-MOSFET
NTMFS4C09NT1G*1
L-MOSFET
NTMFS4983NFT1G*2
+VCORE [Imax = 86A]
+5VS_PWR

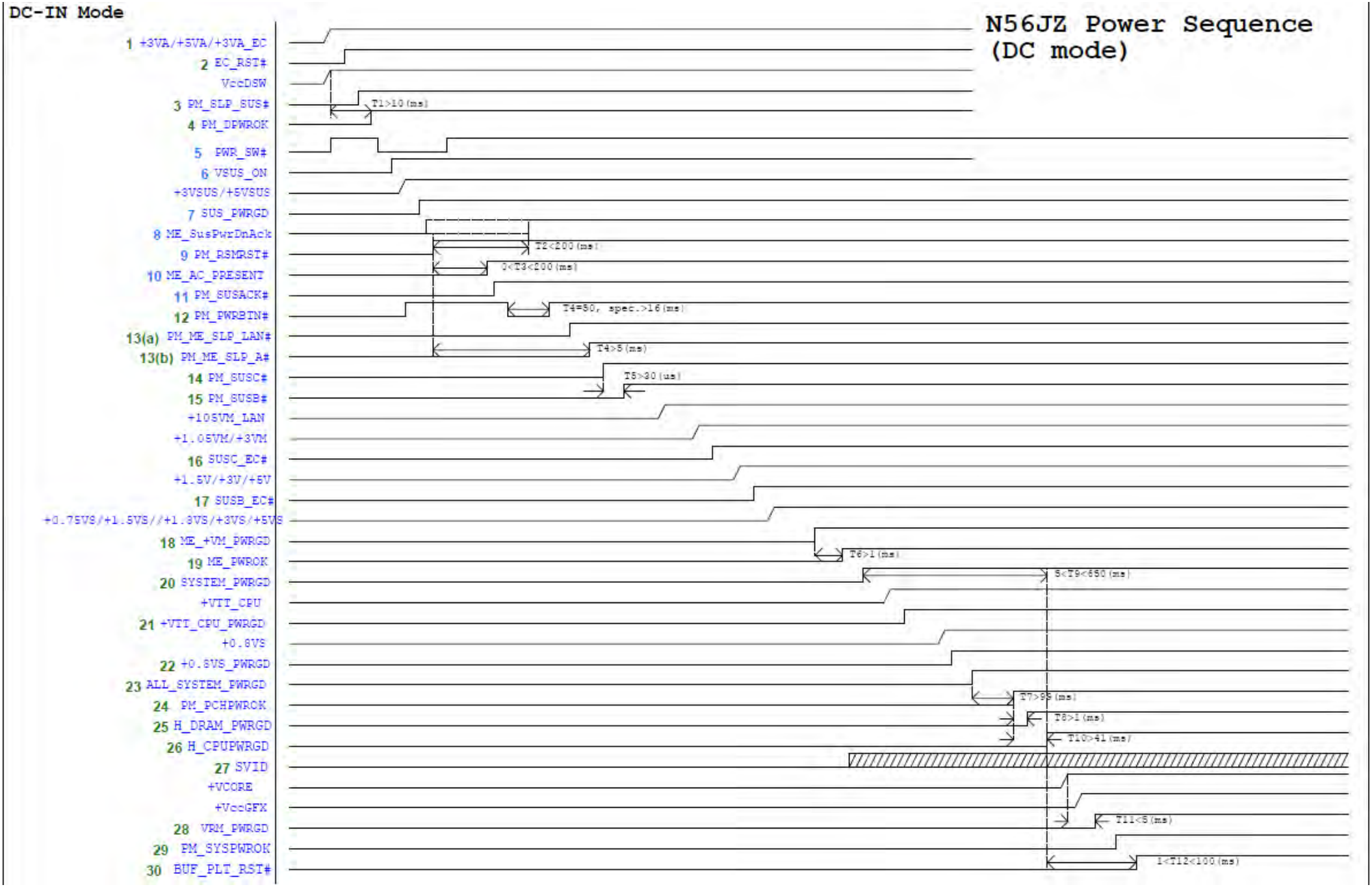
POWER ON SEQUENCE



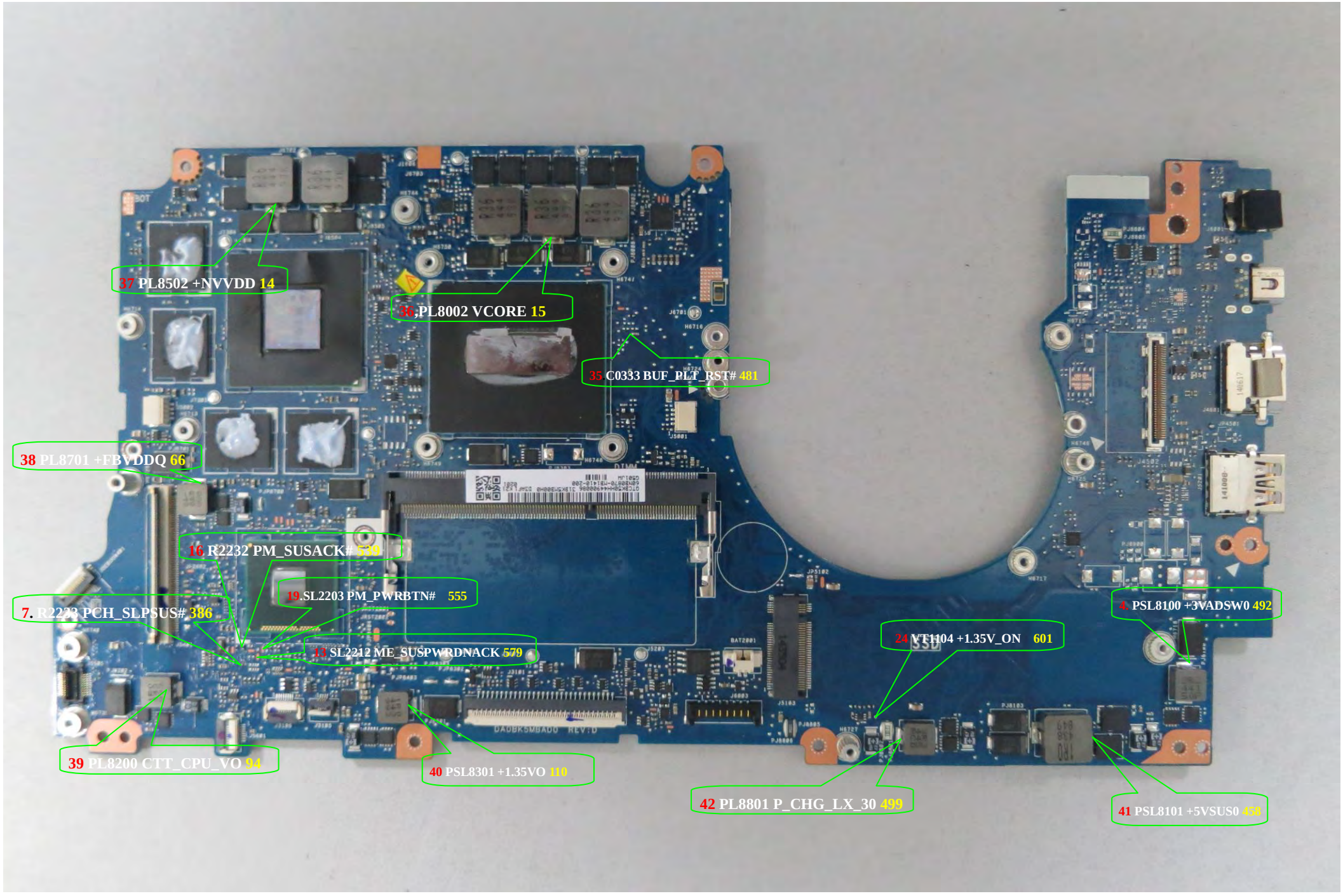
AC_IN POWER ON SEQUENCE



DC_IN POWER ON SEQUENCE



Signal Measure Point-Bottom



Signal Measure Point-Top