TUF-RTX3090-O24G-GAMING (CG132P)

Repair Guide

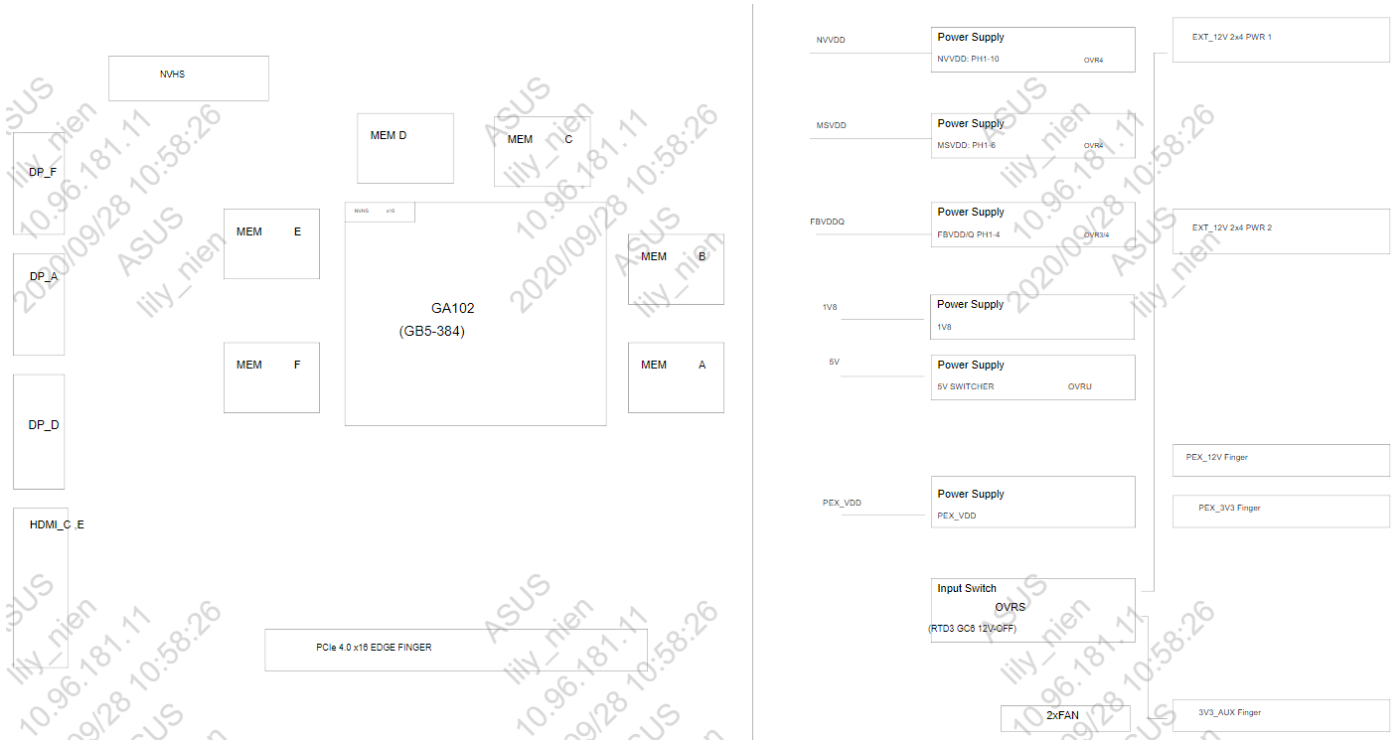
Model List

Model name	60PN	GPU	Date
TUF-RTX3090-O24G-GAMING	YV0FD1	CG132P	2020/9/28

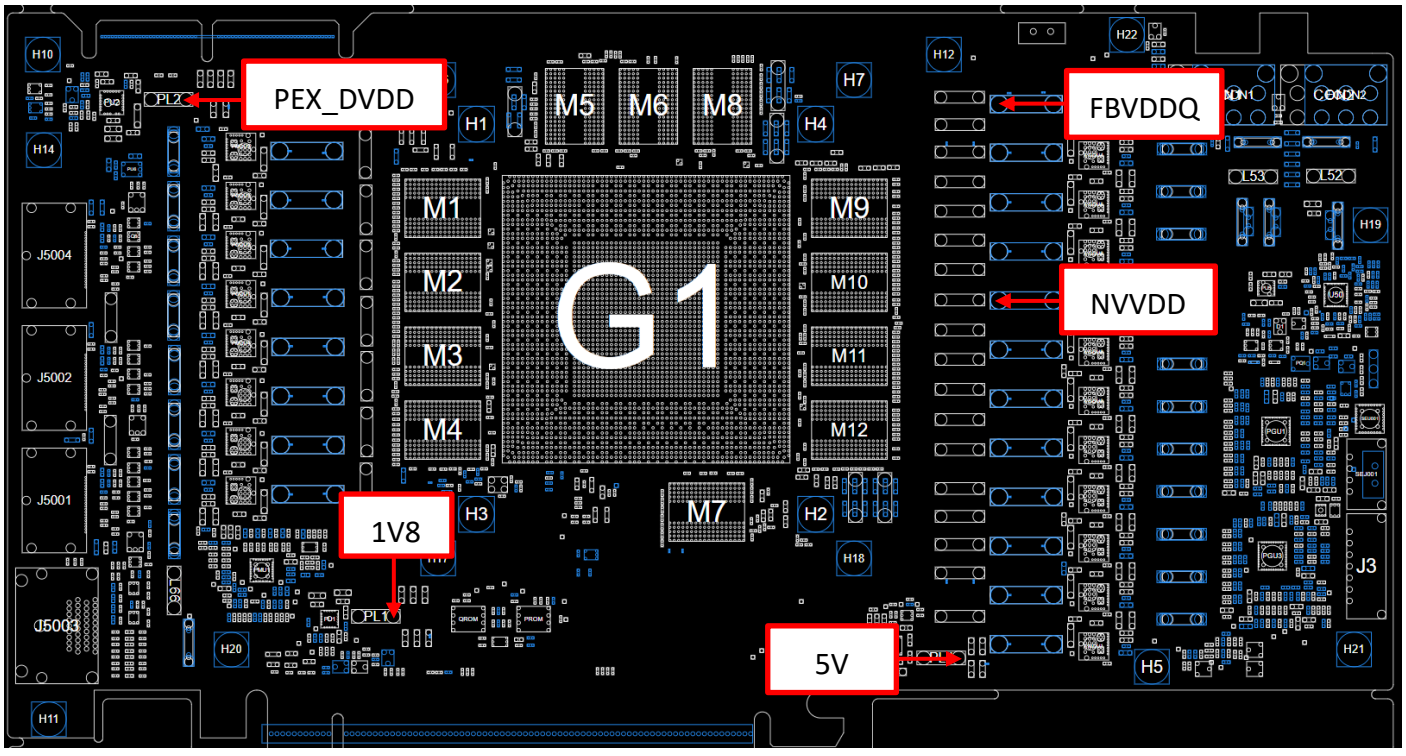
STANDARD APPEARANCE

TUF-RTX3090-O24G-GAMING

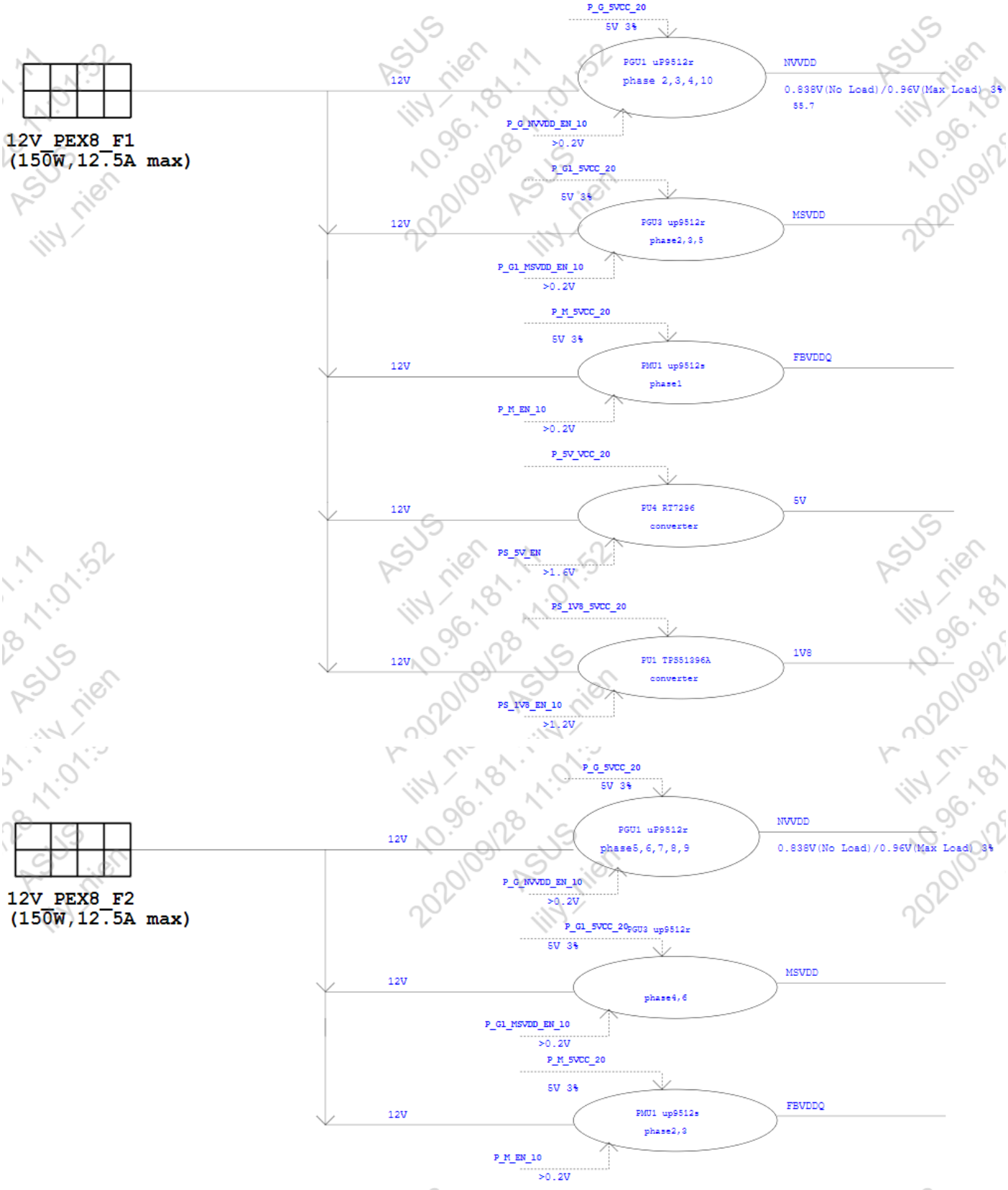
BLOCK DIAGRAM

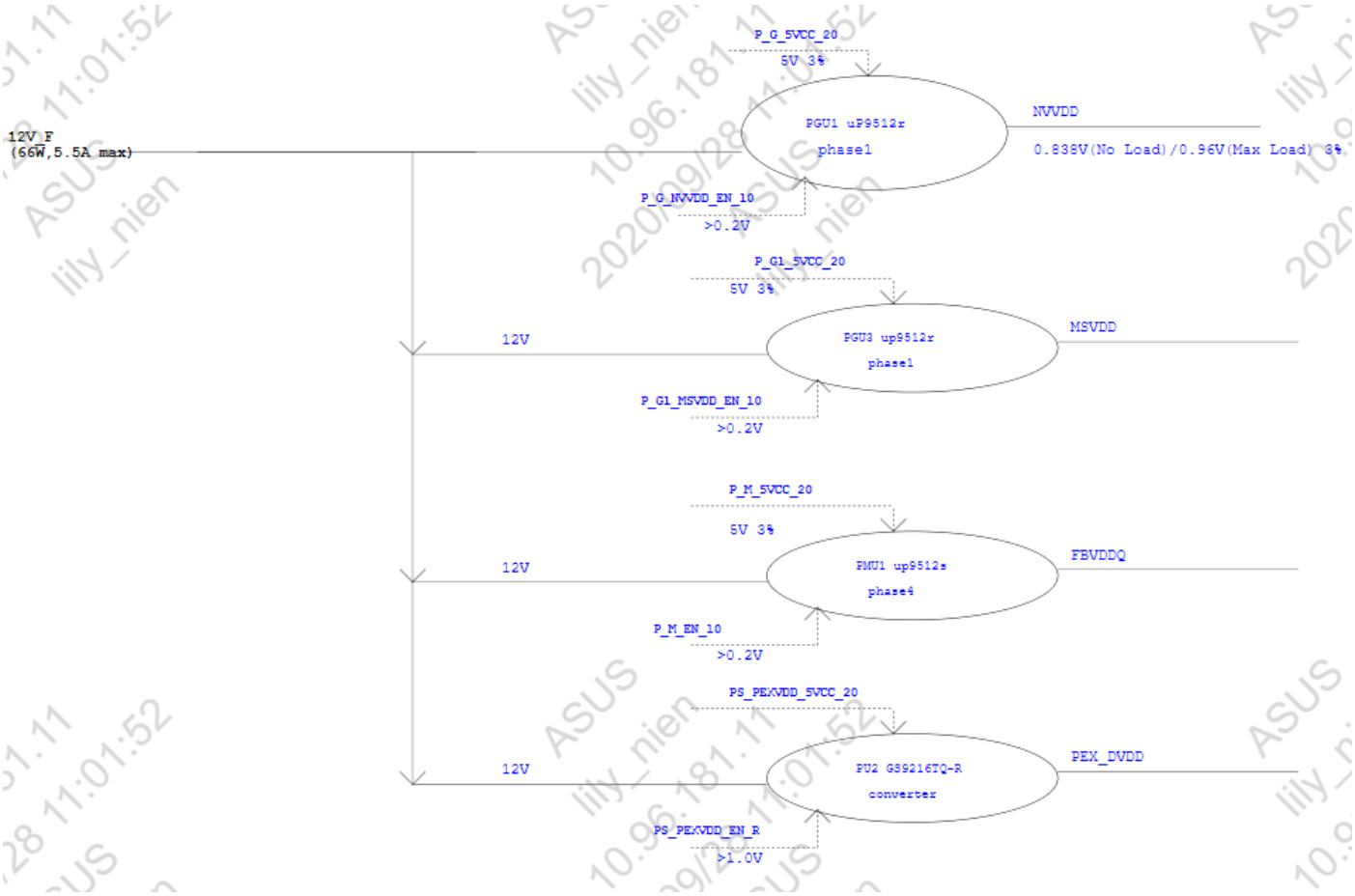
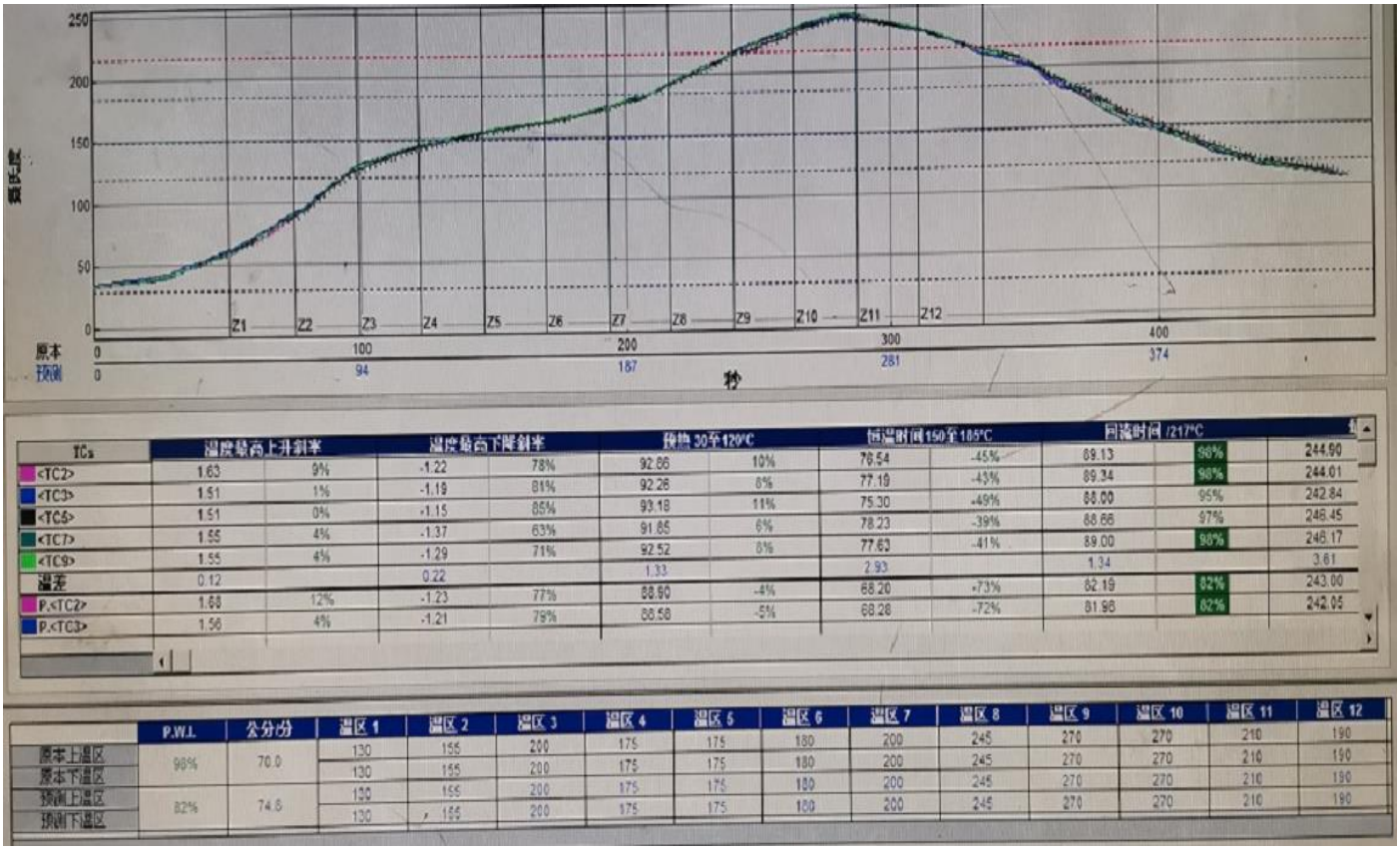


VOLTAGE MEASURE POINT



POWER FLOW


12V_PEX8_F1
(150W,12.5A max)
12V
P_G_5VCC_20
5V 3%
PGU1 uP9512r
phase 2,3,4,10
NVVDD
0.838V(No Load)/0.96V(Max Load) 3%
55.7
P_G_NVVDD_EN_10
>0.2V
P_G1_5VCC_20
5V 3%
PGU3 up9512r
phase2,3,5
MSVDD
P_G1_MSVDD_EN_10
>0.2V
P_M_5VCC_20
5V 3%
PMU1 up9512s
phase1
FBVDDQ
P_M_EN_10
>0.2V
P_5V_VCC_20
PU4 RT7296
converter
5V
PS_5V_EN
>1.6V
PS_1V8_5VCC_20
PU1 TPS51396A
converter
1V8
PS_1V8_EN_10
>1.2V
12V_PEX8_F2
(150W,12.5A max)
12V
P_G_5VCC_20
5V 3%
PGU1 uP9512r
phase5,6,7,8,9
NVVDD
0.838V(No Load)/0.96V(Max Load) 3%
P_G_NVVDD_EN_10
>0.2V
P_G1_5VCC_20
PGU3 up9512r
5V 3%
phase4,6
MSVDD
P_G1_MSVDD_EN_10
>0.2V
P_M_5VCC_20
5V 3%
PMU1 up9512s
phase2,3
FBVDDQ
P_M_EN_10
>0.2V



BGA REFLOW PROFILE