TUF-RTX3070-8G-GAMING   (CG142P) Repair Guide

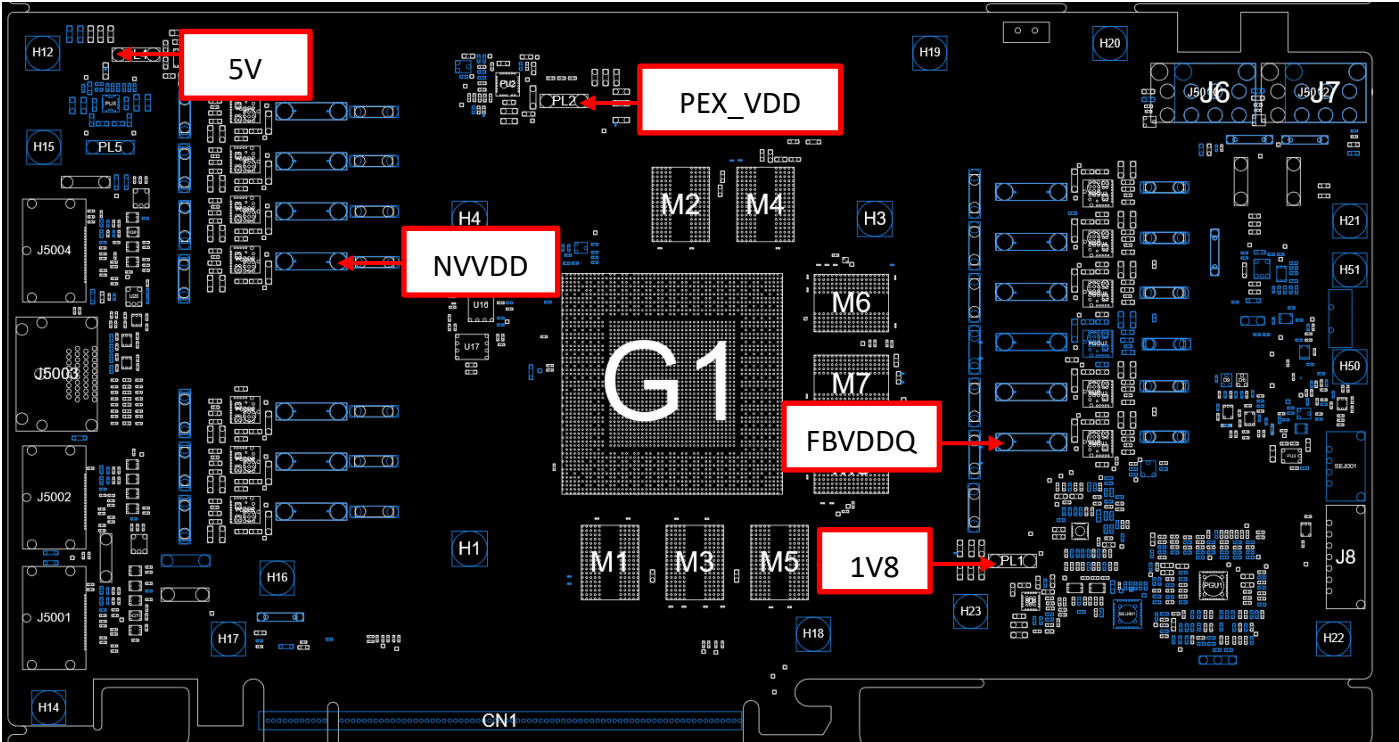## Model List

Model name	60PN	GPU	Date
TUF-RTX3070-8G-GAMING	YV0FQ5	CG142P	2020/11/10

STANDARD APPEARANCE

TUF-RTX3070-8G-GAMING

BLOCK DIAGRAM

DP

DP

DP

DP

HDMI

CO-LAYOUT

POWER SUPPLY

GA10X GPU

MEM D LO

MEM D HI

MEM C LO

MEM C HI

MEM B LO

MEM A HI

MEM A LO

MEM B HI

NVVDD

Power Supply
NVVDD: PH1-7 OVR6

EXT_12V

BALANCE

FBVDDQ

Power Supply
FBVDD/Q PH1-2 OVR3

PEX_12V Finger

1V8

Power Supply
1V8 Switcher

5V

Power Supply
5V SWITCHER OVRU

PEX_VDD

Power Supply
PEX_VDD Switcher

PEX_3V3 Finger

Input Switch
OVRS
(RTD3 GC6 12V-OFF)

LED

2x FAN

3V3_AUX Finger

VOLTAGE MEASURE POINT

POWER FLOW

BGA REFLOW PROFILE

TCs	温度最高上升斜率		温度最高下降斜率		预热 30至120°C		恒温时间150至180°C		回流时间 /220°C		最...
<TC2>	1.58	5%	-1.38	62%	72.95	-57%	64.55	-85%	87.27	82%	246.73
<TC3>	1.53	2%	-1.33	67%	72.61	-58%	64.42	-85%	86.71	78%	246.56
<TC5>	1.51	1%	-1.01	99%	75.71	-48%	63.57	-88%	83.06	54%	245.17
<TC8>	1.61	7%	-1.21	79%	73.63	-55%	63.89	-87%	83.77	58%	246.11
<TC9>	1.73	15%	-1.43	57%	68.44	-72%	65.62	-81%	89.99	100%	249.34
温差	0.22		0.42		7.27		2.05		6.93		4.17
P.<TC2>	1.56	4%	-1.36	64%	74.50	-52%	66.59	-78%	90.66	104%	247.13
P.<TC3>	1.51	1%	-1.32	68%	74.19	-53%	66.05	-80%	90.56	104%	246.95

	P.W.I.	公分/份	温区1	温区2	温区3	温区4	温区5	温区6	温区7	温区8	温区9	温区10	温区11	温区12
原本上温区	100%	72.0	100	125	155	175	180	180	190	210	235	240	265	265
原本下温区			100	125	155	175	180	180	190	210	235	240	265	265
预测上温区	120%	70.0	100	125	155	175	180	180	190	210	235	240	265	265
预测下温区			100	125	155	175	180	180	190	210	235	240	265	265