TUF-RTX3070-O8G-GAMING   (CG142P)
Repair Guide

Model List

Model name	60PN	GPU	Date
TUF-RTX3070-O8G-GAMING	YV0FQ4	CG142P	2020/11/10

STANDARD APPEARANCE

TUF-RTX3070-O8G-GAMING

BLOCK DIAGRAM

DP	
DP	
DP	MEM D LO / MEM D HI
	MEM C LO
POWER SUPPLY	MEM C HI
GA10X GPU	MEM B LO
DP	
HDMI	MEM A HI / MEM A LO / MEM B HI
CO-LAYOUT	

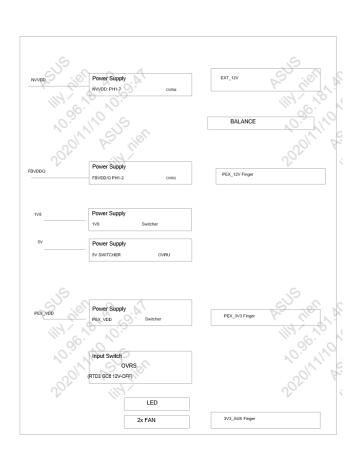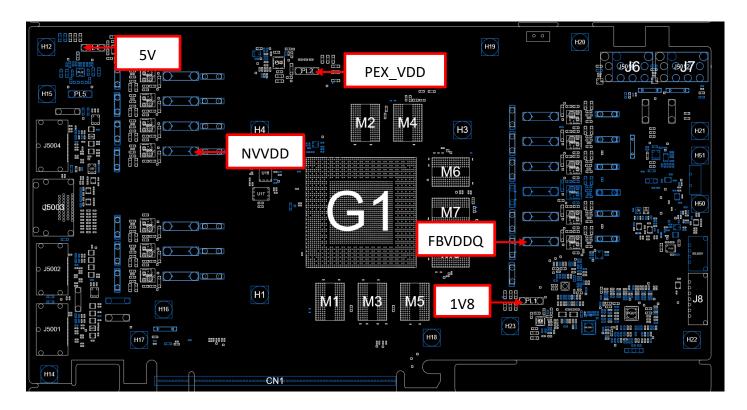|		
NVVDD	Power Supply NVVDD: PH1-7 OVR6	EXT_12V
		BALANCE
FBVDDQ	Power Supply FBVDD/Q PH1-2 OVR3	PEX_12V Finger
1V8	Power Supply 1V8 Switcher	
5V	Power Supply 5V SWITCHER OVRU	
PEX_VDD	Power Supply PEX_VDD Switcher	PEX_3V3 Finger
	Input Switch OVRS (RTD3 GC6 12V-OFF)	
	LED	
	2x FAN	3V3_AUX Finger

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%	246.17
<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