

# ROG-STRIX-RTX2060-6G-EVO-GAMING

(CG161PIS)

Repair Guide

## Model List

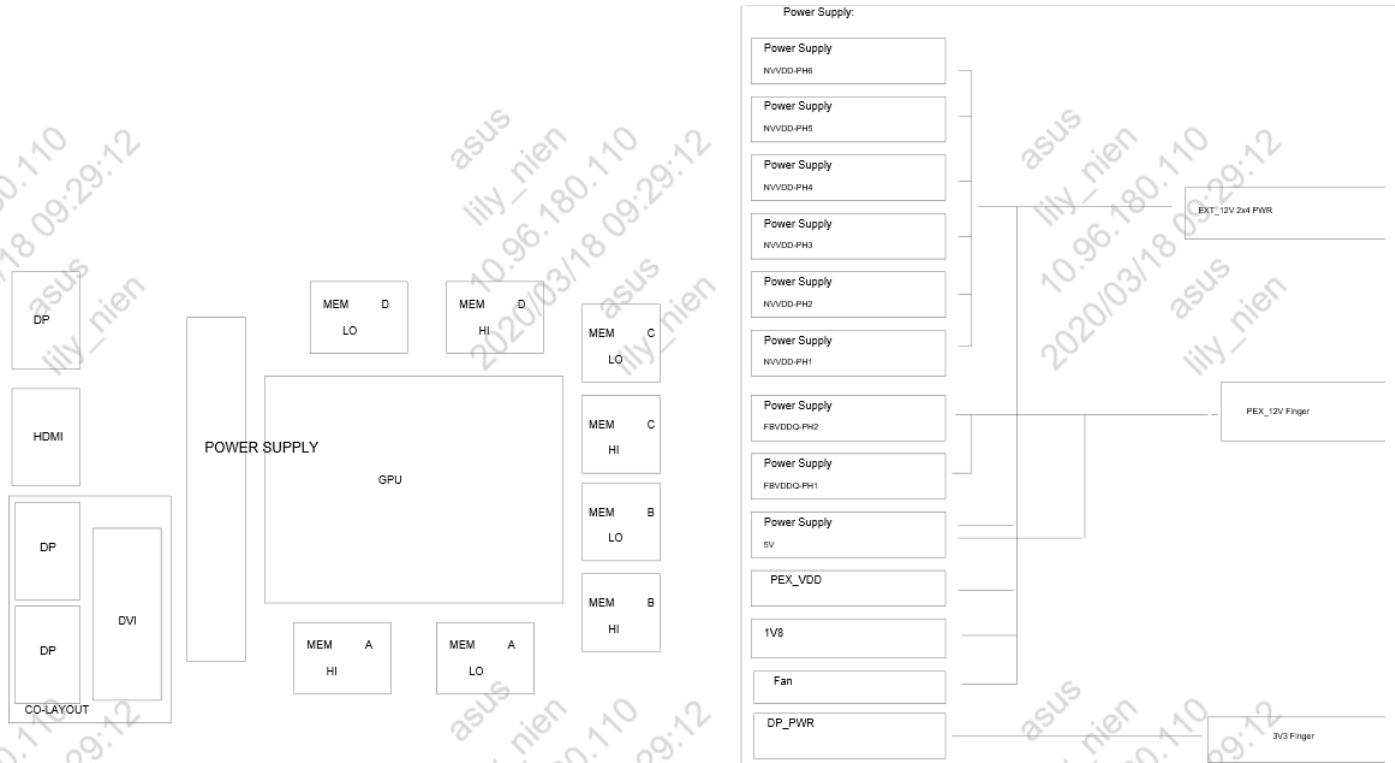
| Model name                      | 60PN   | GPU      | Date      |
|---------------------------------|--------|----------|-----------|
| ROG-STRIX-RTX2060-6G-EVO-GAMING | YV0D22 | CG161PIS | 2020/3/18 |

## STANDARD APPEARANCE

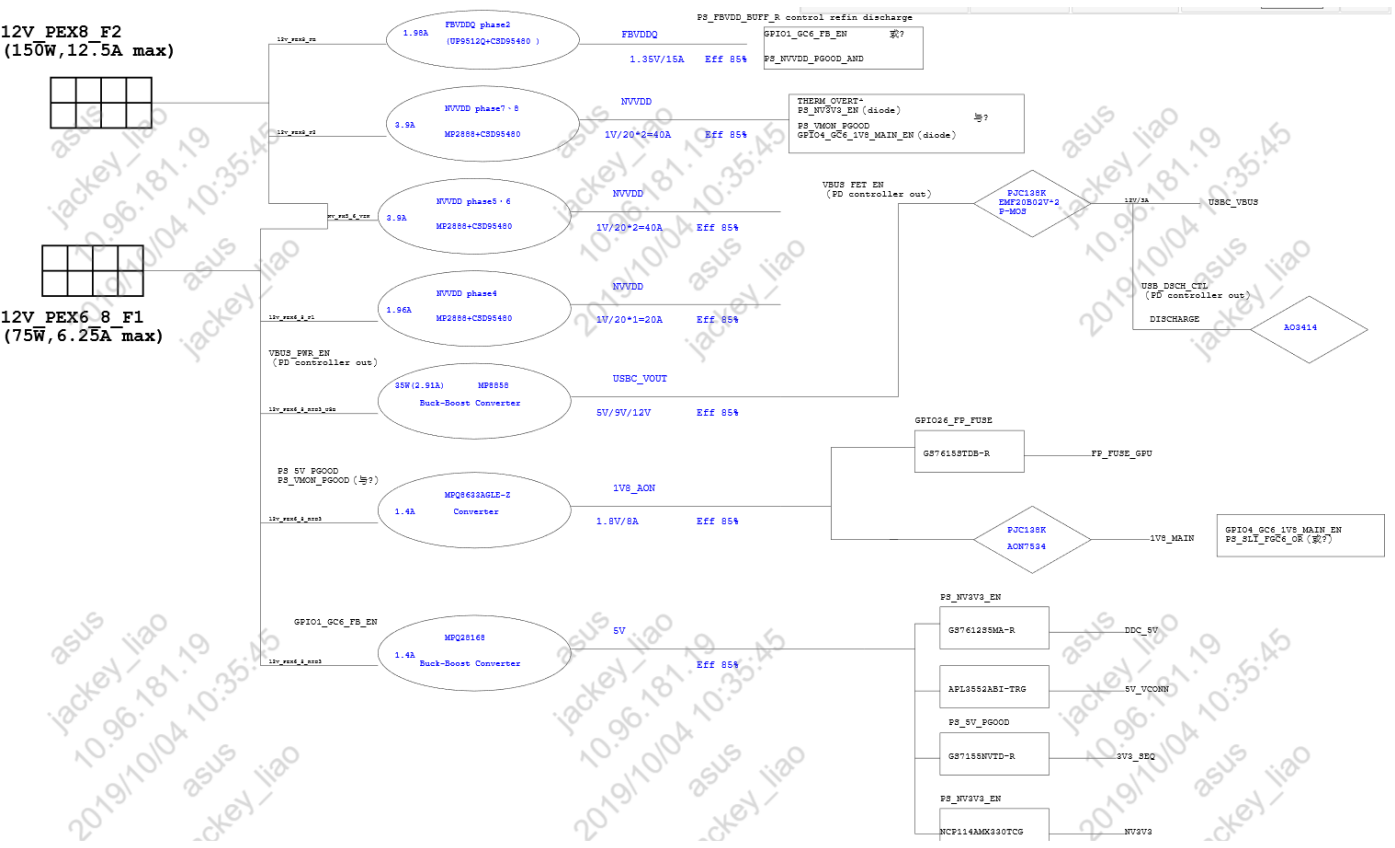
ROG-STRIX-RTX2060-6G-EVO-GAMING

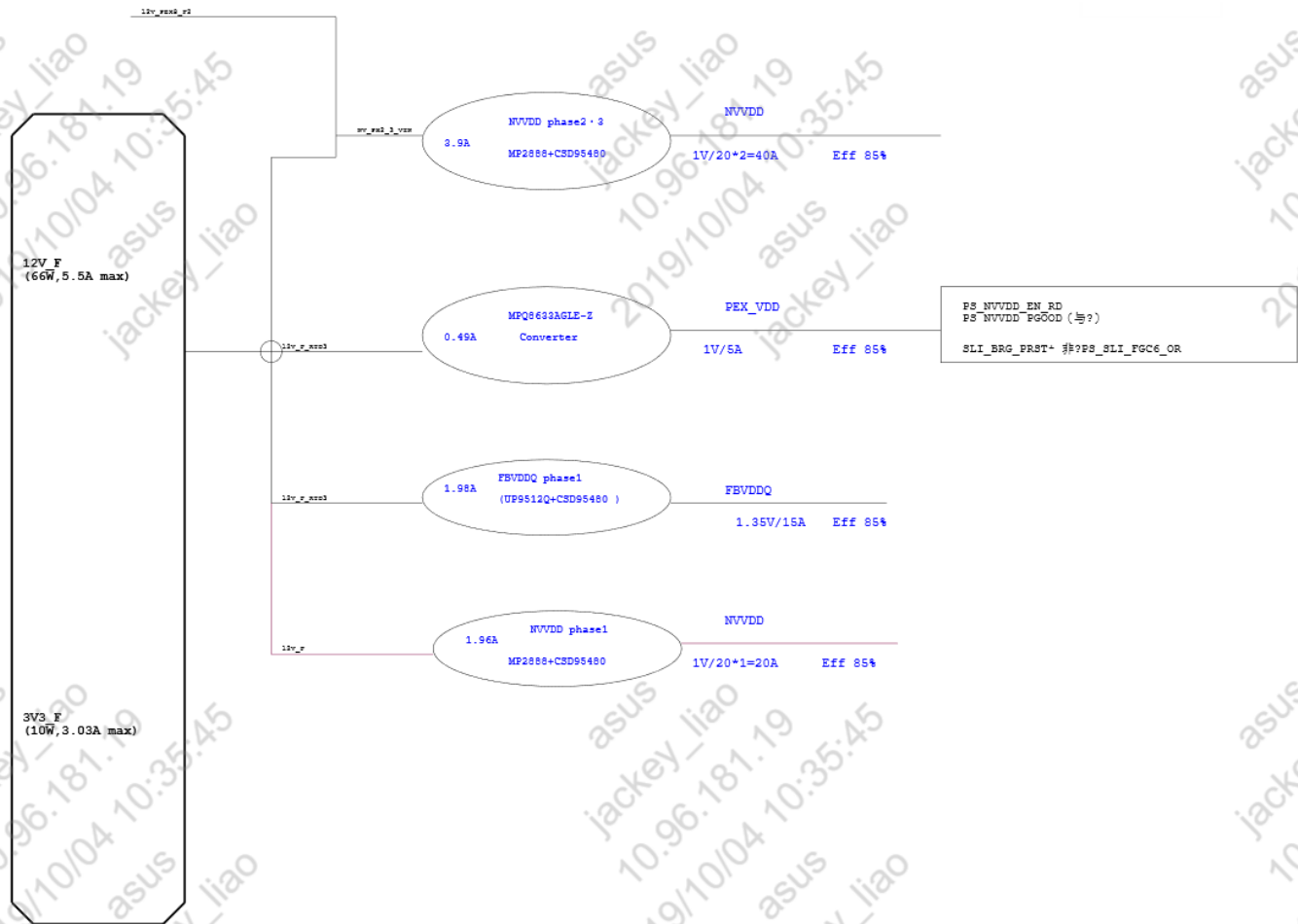


# BLOCK DIAGRAM

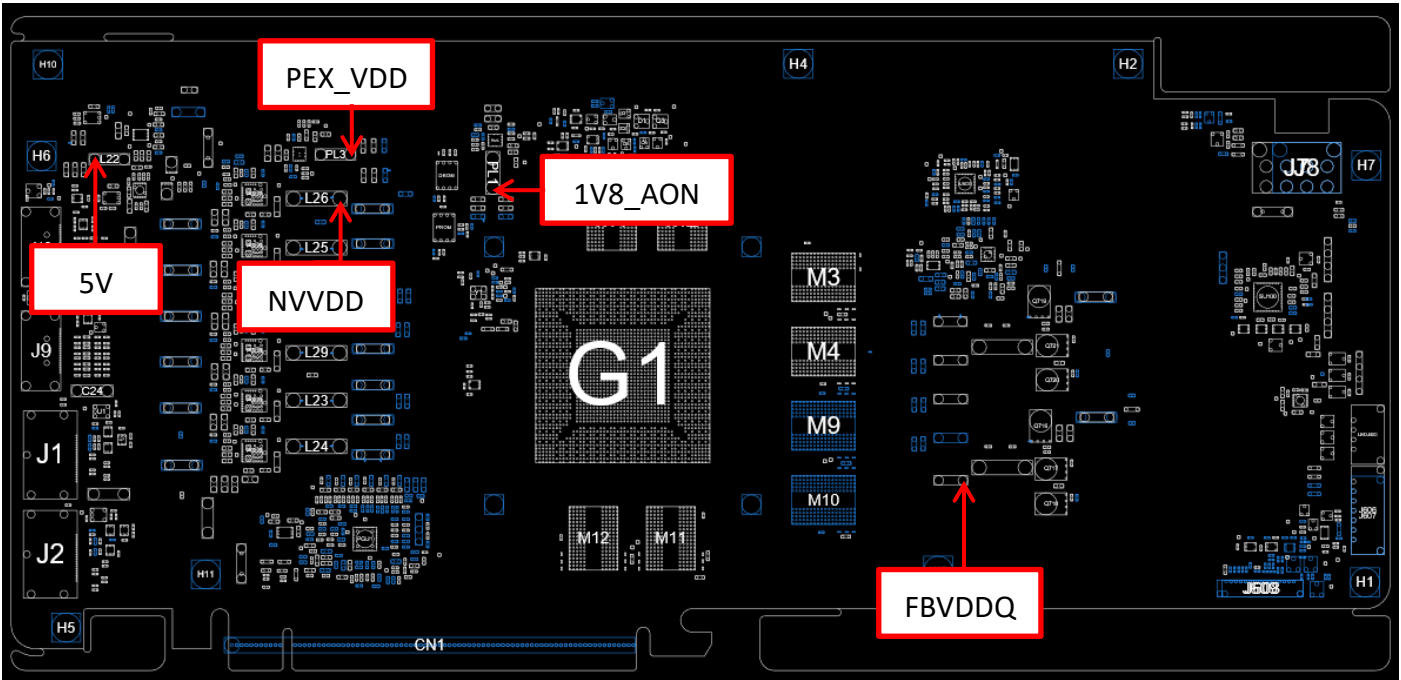


# POWER FLOW



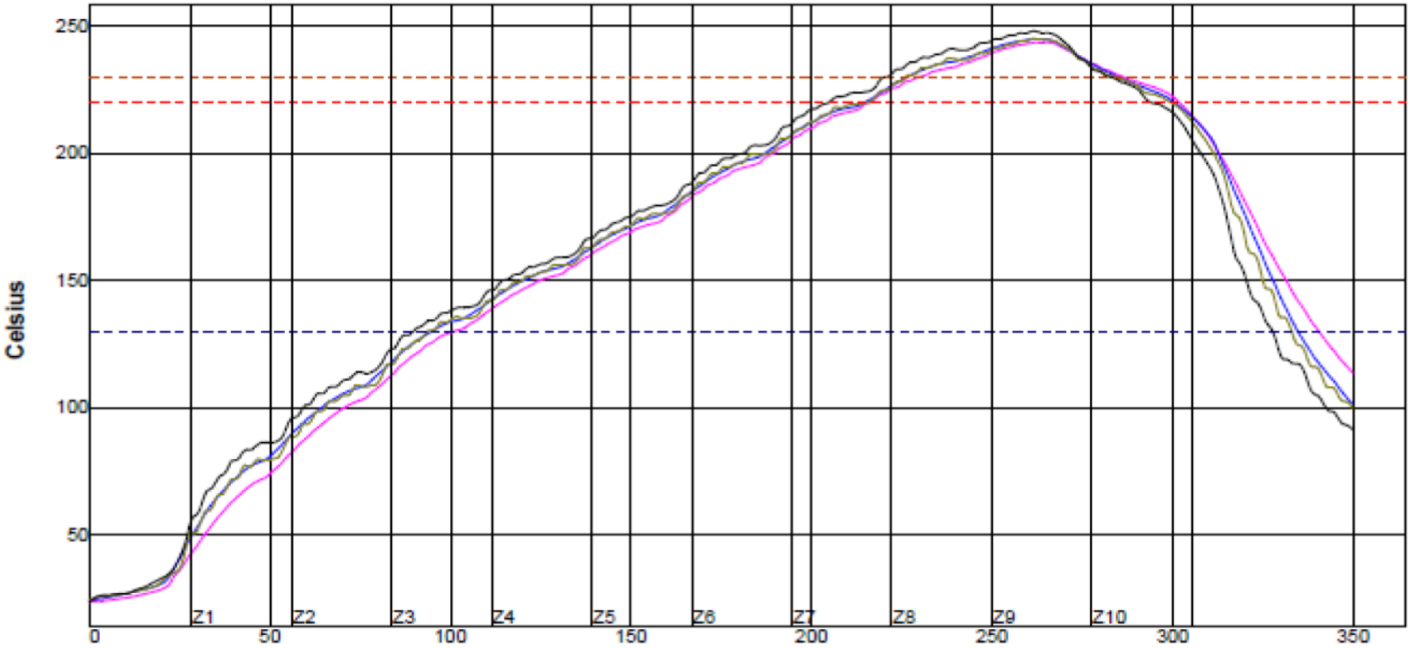


# VOLTAGE MEASURE POINT



# BGA REFLOW PROFILE

| Setpoints (Celsius)                |     |     |     |     |     |     |     |     |     |     |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Zone                               | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
| Top                                | 100 | 125 | 150 | 170 | 190 | 215 | 235 | 250 | 255 | 200 |
| Bottom                             | 100 | 125 | 150 | 170 | 190 | 215 | 235 | 250 | 255 | 200 |
| Conveyor Speed ( inch/min ): 26.00 |     |     |     |     |     |     |     |     |     |     |



| PWI= 86%   | Max Rising Slope |      | Max Falling Slope |      | Preheat 130-220C |     | Reflow Time /220C |     | Peak Temp |     | Tot Time /230C |     |
|------------|------------------|------|-------------------|------|------------------|-----|-------------------|-----|-----------|-----|----------------|-----|
| U4 CEN - 1 | 1.80             | -28% | -2.88             | 18%  | 115.35           | 71% | 85.97             | 84% | 243.84    | 38% | 67.38          | 43% |
| M2 - 1     | 2.07             | -17% | -3.28             | -13% | 120.00           | 78% | 85.84             | 83% | 245.08    | 51% | 68.78          | 47% |
| J7 - 2     | 2.15             | -14% | -3.41             | -21% | 121.51           | 80% | 84.73             | 78% | 245.34    | 53% | 68.12          | 46% |
| L7 - 2     | 2.35             | -8%  | -3.75             | -38% | 115.18           | 71% | 88.37             | 85% | 248.28    | 83% | 69.38          | 58% |
| Delta      | 0.55             |      | 1.08              |      | 6.35             |     | 4.85              |     | 4.44      |     | 8.00           |     |