

DUAL-RX5600XT-T6G-EVO

(D189P)

Repair Guide

Model List

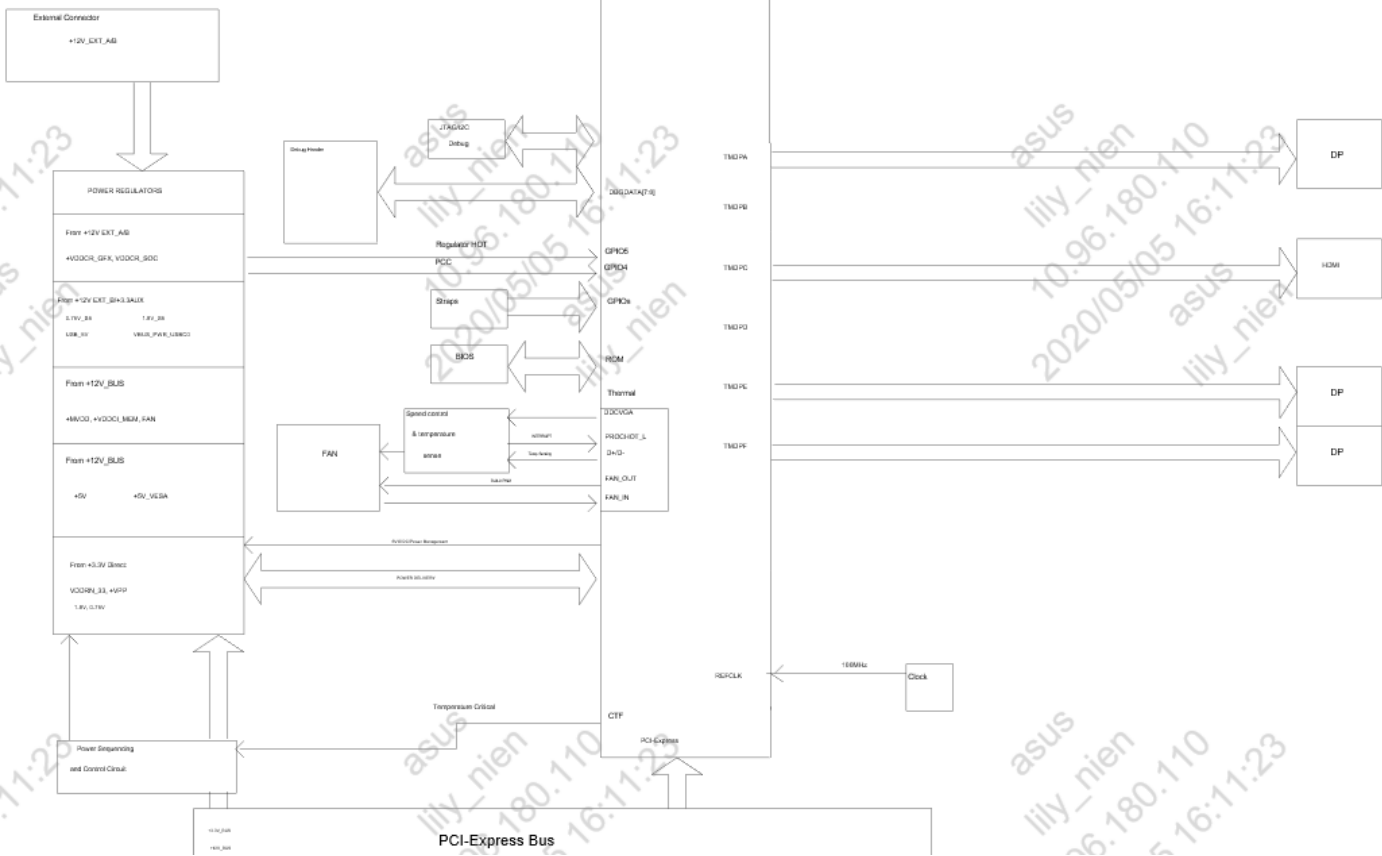
Model Name	60PN	GPU	Date
DUAL-RX5600XT-T6G-EVO	YV0EJ1	D189P	2020/05/05

STANDARD APPEARANCE

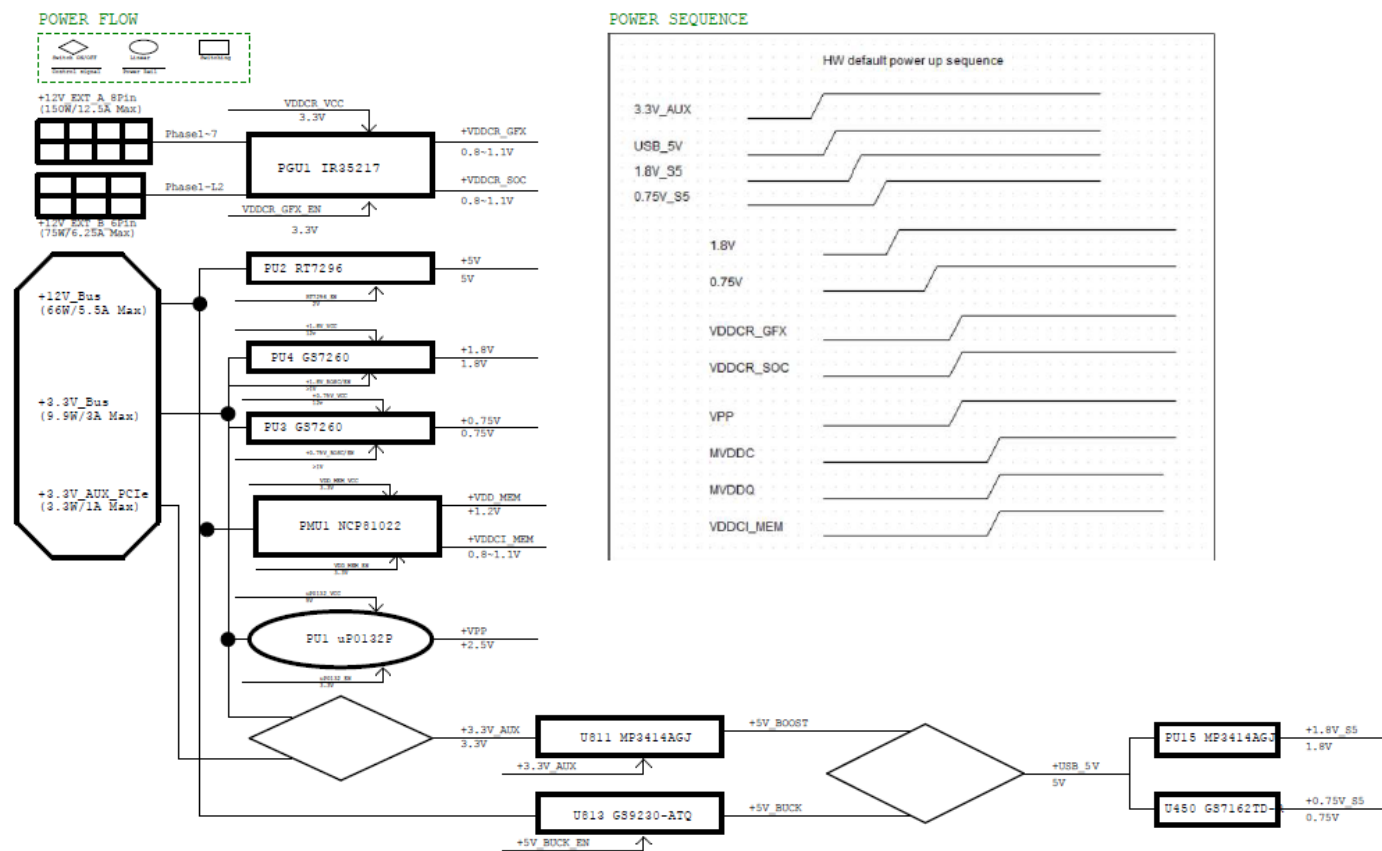
DUAL-RX5600XT-T6G-EVO



BLOCK DIAGRAM



POWER FLOW



The image shows the top view of the H18201 PCB. The central component is the H18201 chip, which is a large, square, black integrated circuit. Surrounding it are various other components, including capacitors (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100), resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), and other components (U1, U2, U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25, U26, U27, U28, U29, U30, U31, U32, U33, U34, U35, U36, U37, U38, U39, U40, U41, U42, U43, U44, U45, U46, U47, U48, U49, U50, U51, U52, U53, U54, U55, U56, U57, U58, U59, U60, U61, U62, U63, U64, U65, U66, U67, U68, U69, U70, U71, U72, U73, U74, U75, U76, U77, U78, U79, U80, U81, U82, U83, U84, U85, U86, U87, U88, U89, U90, U91, U92, U93, U94, U95, U96, U97, U98, U99, U100). The PCB is populated with various components, including capacitors, resistors, and integrated circuits. The components are labeled with their respective values and part numbers. The PCB is also populated with various components, including capacitors, resistors, and integrated circuits. The components are labeled with their respective values and part numbers. The PCB is also populated with various components, including capacitors, resistors, and integrated circuits. The components are labeled with their respective values and part numbers.

Solder/Part Surface Temperature (°C)

Heating Time

Peak 245° C max

220° C

170° C

130° C

Ramp Rate < 2°C / sec

Ramp Rate < 1°C / sec

Soaking Zone
60 – 120 sec max
60 – 80 sec typical

Soldering Zone
45 – 90 sec max
60 – 80 sec typical

Pre-heating Zone
120 – 240 sec max

Table 7-1 Recommended Profiling — RoHS/Lead-Free Solder

Profiling Stage	Temperature	Process Range
Overall Preheat	Room temperature to 220°C	Two to four minutes
Soaking Time	130°C to 170°C	Typically 60 to 80 seconds
Liquidus	220°C	Typically 60 to 80 seconds
Ramp Rate	Ramp up Ramp down	< 2°C / second < 1°C / second
Peak	Maximum 245°C	235°C ± 5°C
Temperature at Peak Within 5°C	240°C to 245°C	10 to 30 seconds