

EDMONTON XBOX ONE S

DAE LAB JUAREZ

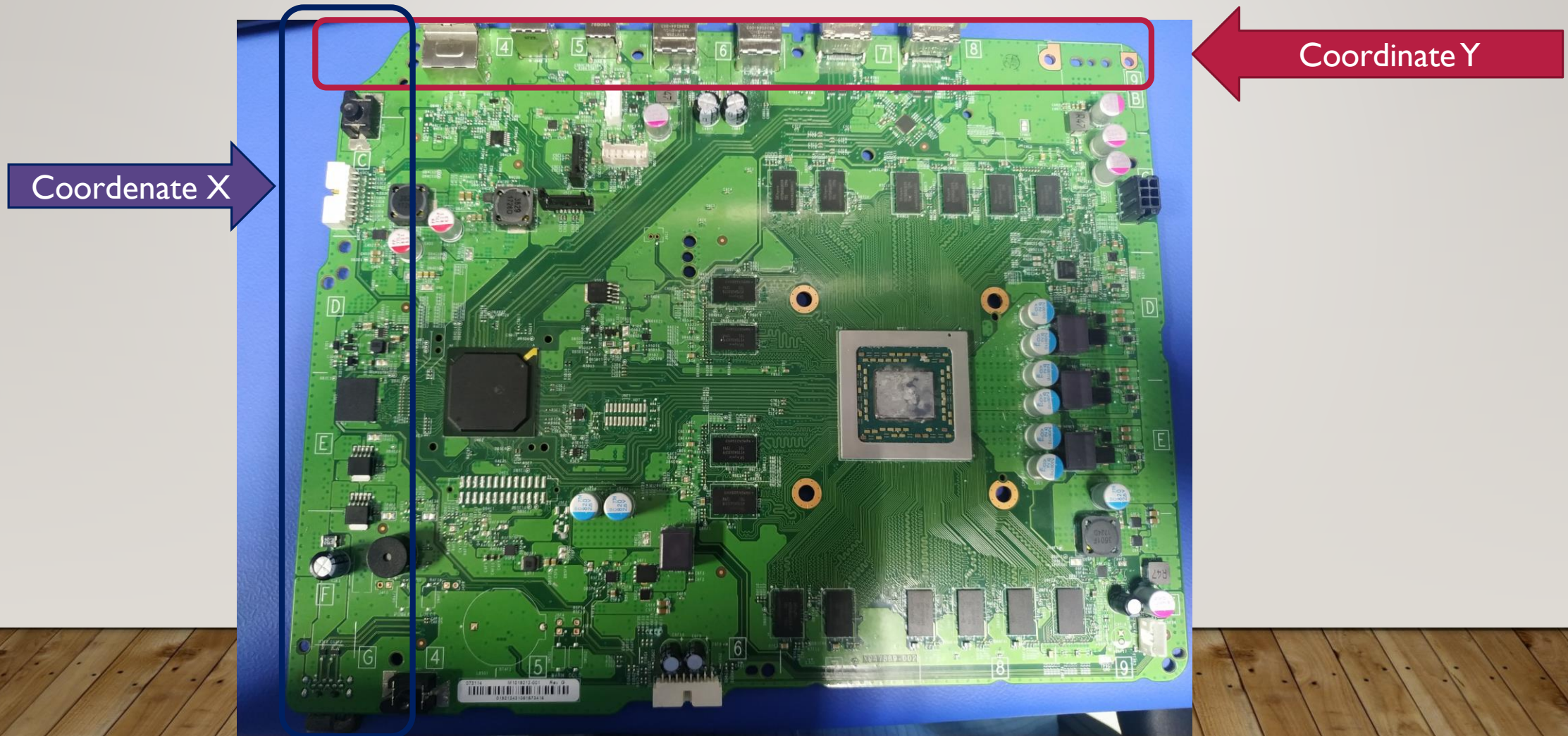
PRESENTATION MADE BY :

- JOSE DAVID GARCIA
- LUIS FERNANDO CALVILLO
- ALAN CORRAL

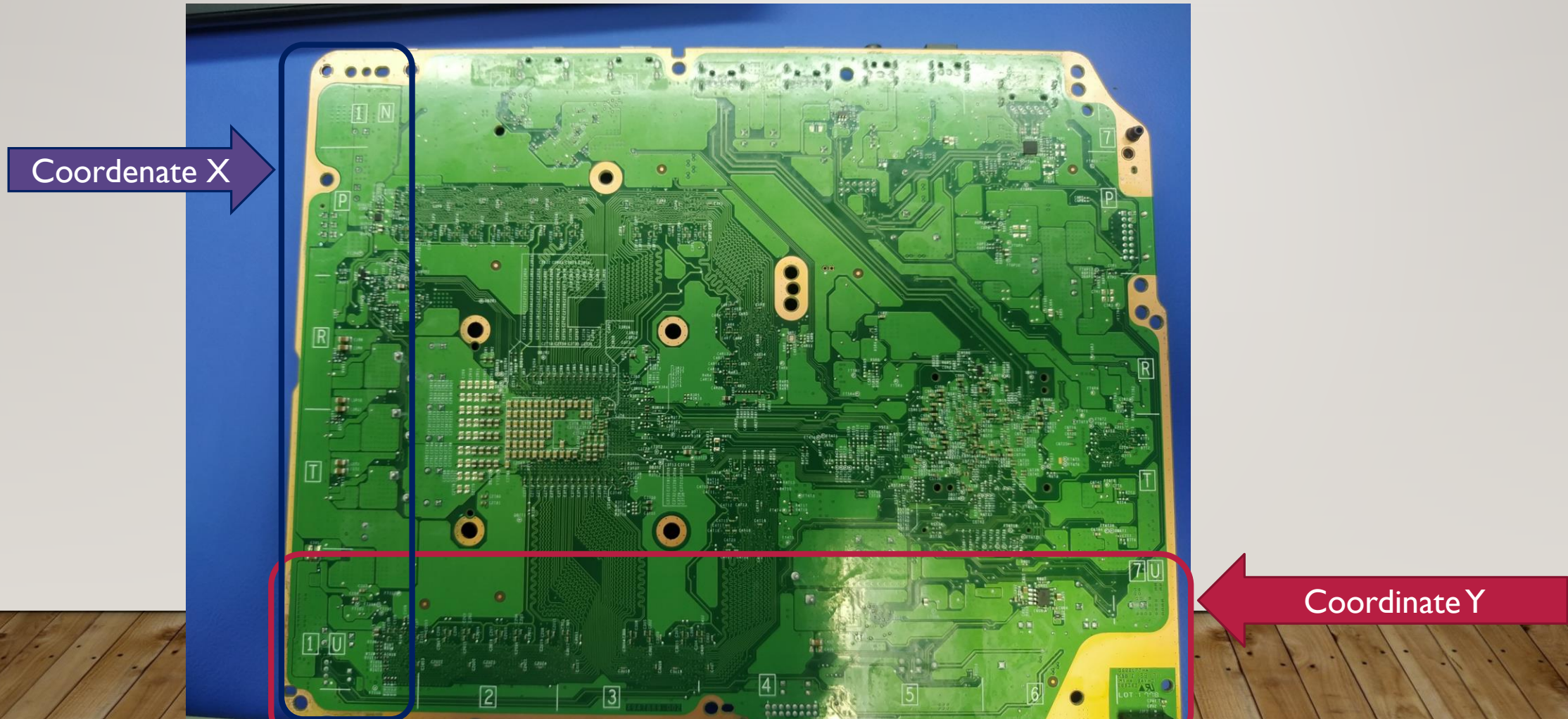
HOW TO FIND COMPONENTS WITHOUT ALLEGRO ON THE PCBA XBOX ONE

- The MOBO have coordinates :
 - The Letters (Top side (B to F) & Bottom side (P to Y)) are coordinate X
 - The Numbers(SideTop side (3 to 9) & Bottom side(l to 7)) are Coordinate Y
- The component nomenclature is divided as follows to find its location with next two examples: **R5C3** and **C2R10**
 - **R5C3** (**R**(Componet), **5**(Coordinate Y), **C**(Coordinate X in Top side), **3**)
 - **C2R10** (**C**(Componet), **2**(Coordinate Y), **R**(Coordinate X in Bottom side), **10**)

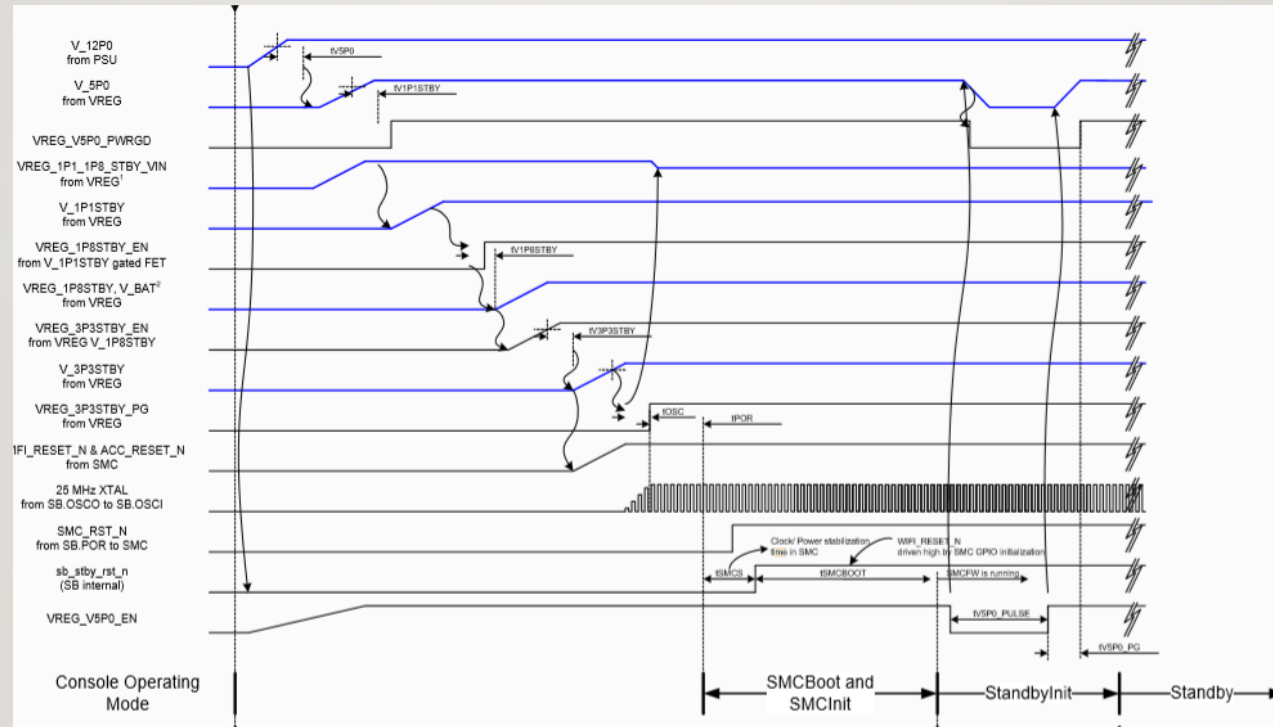
SIDE TOP OF ONE PCBA XBOX ONE S



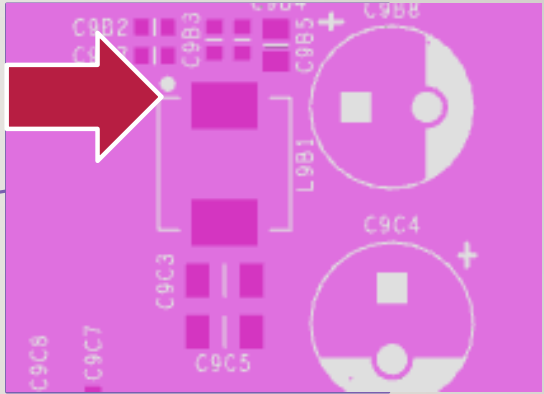
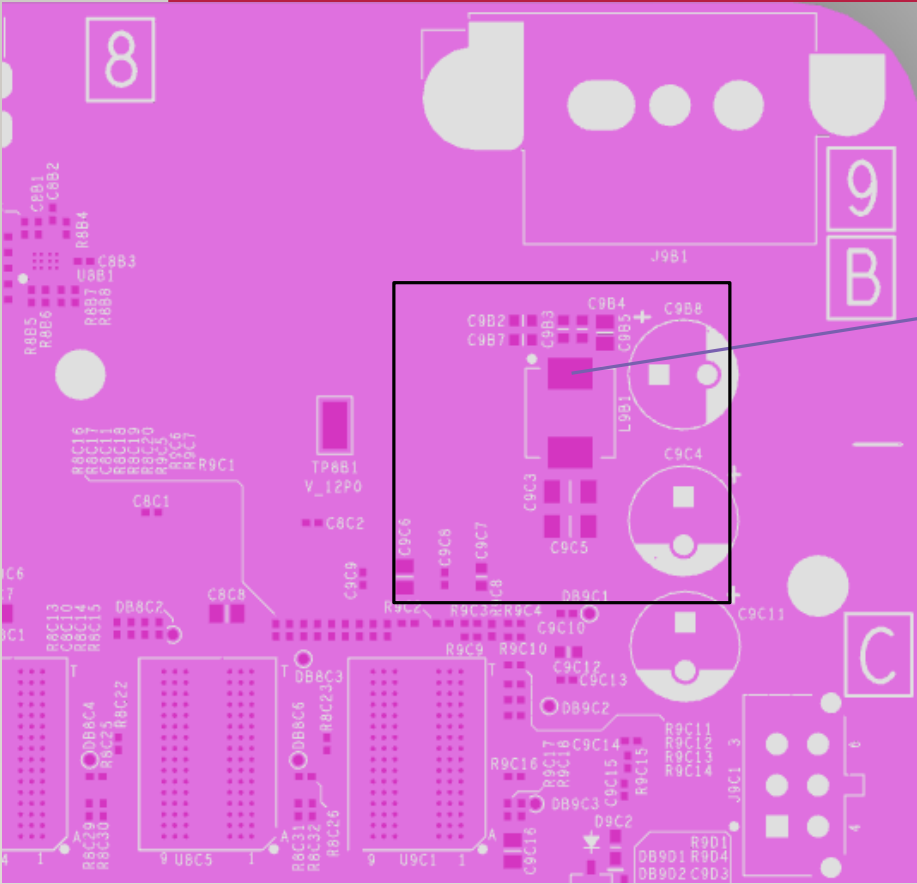
SIDE BOTTOM OF ONE PCBA XBOX ONE S



PO STBY



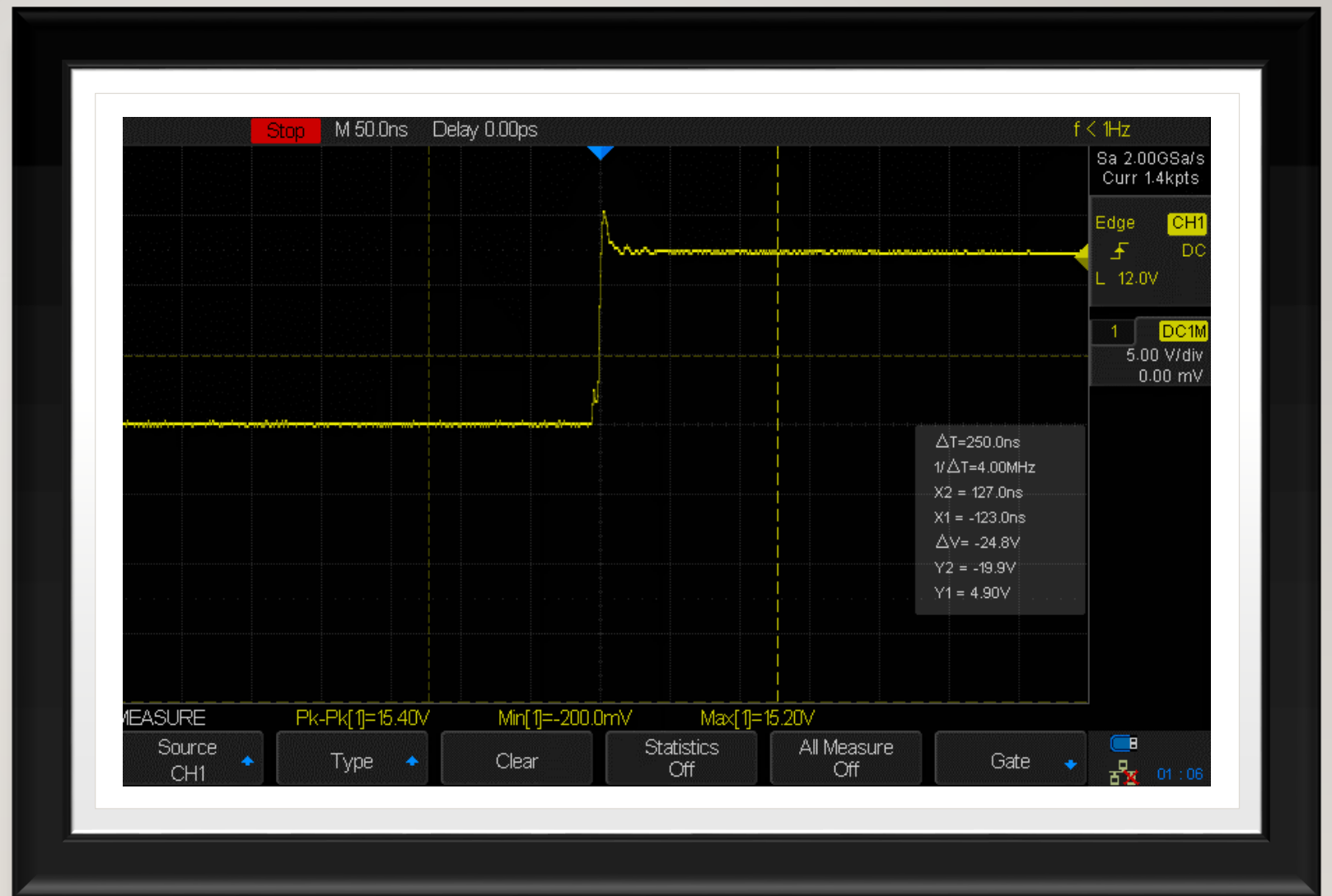
V_I2P0



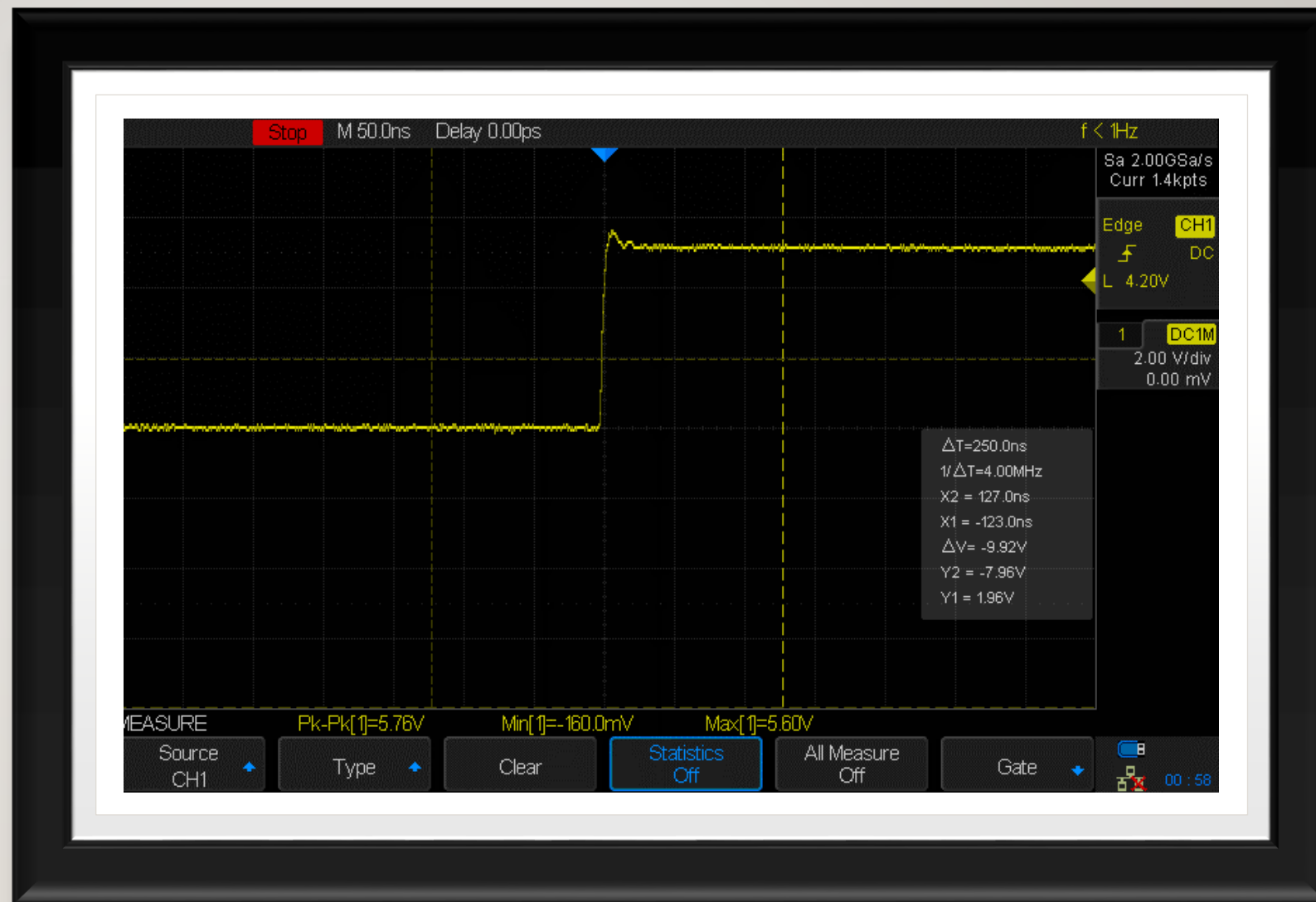
Components :
L9BI.1

Impedance	Voltage
25 KΩ	12V

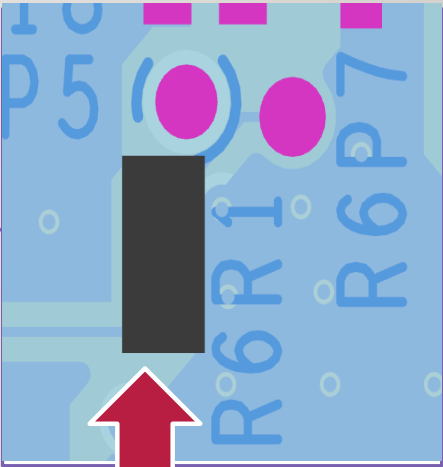
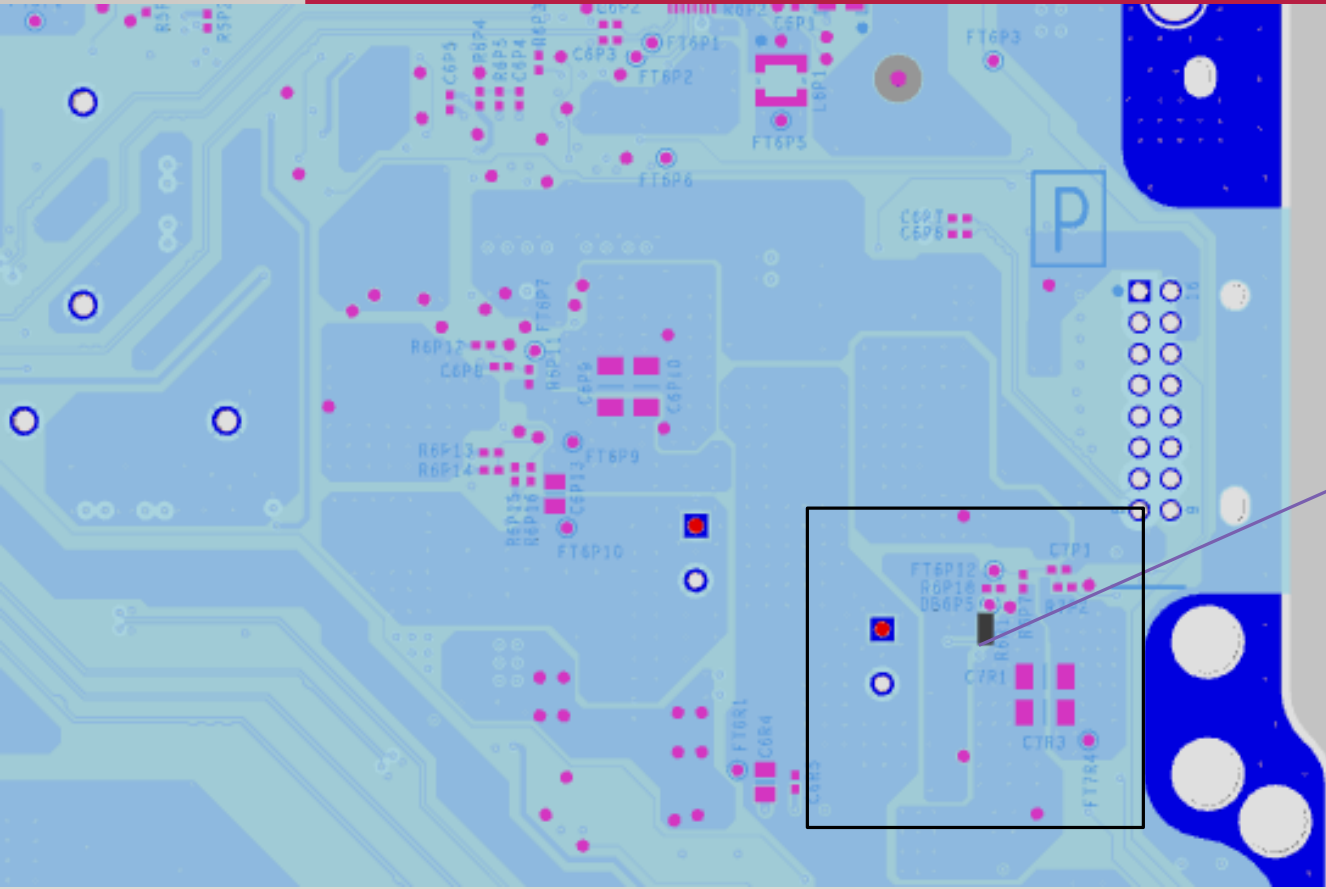
V_I2P0



V_5P0



VREG_V5P0_PWRGD

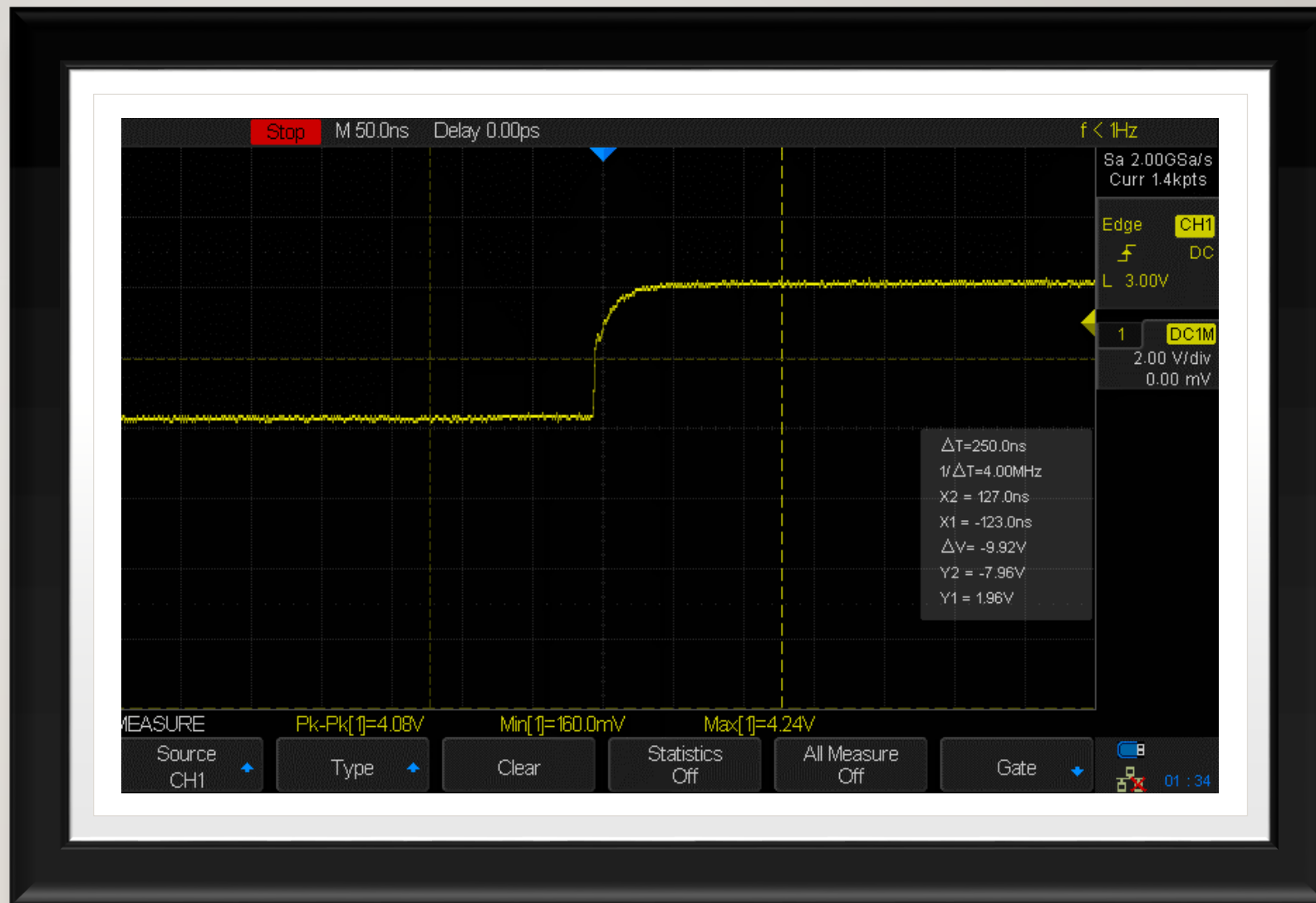


Components :

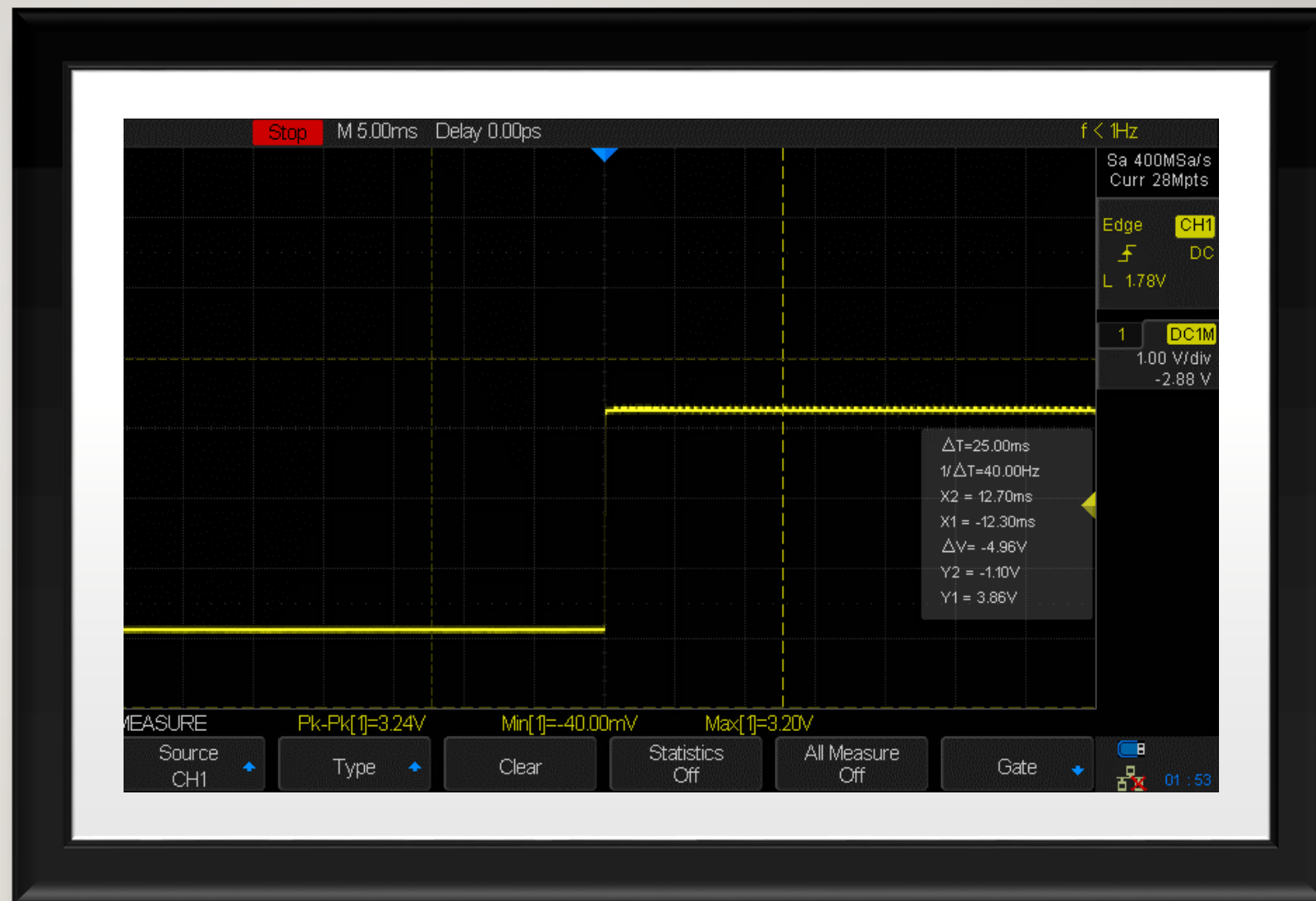
R6R1.2

Impedance	Voltage
36.7kΩ	4.08V

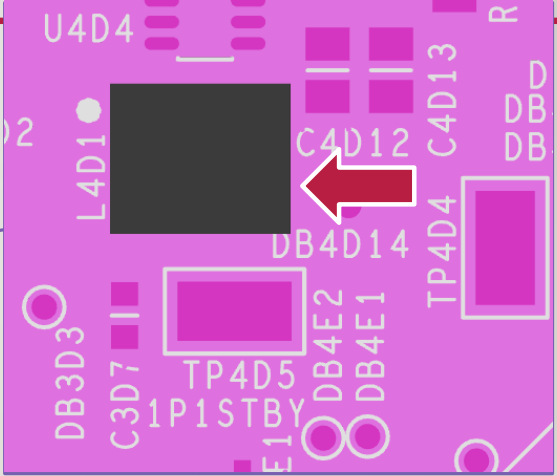
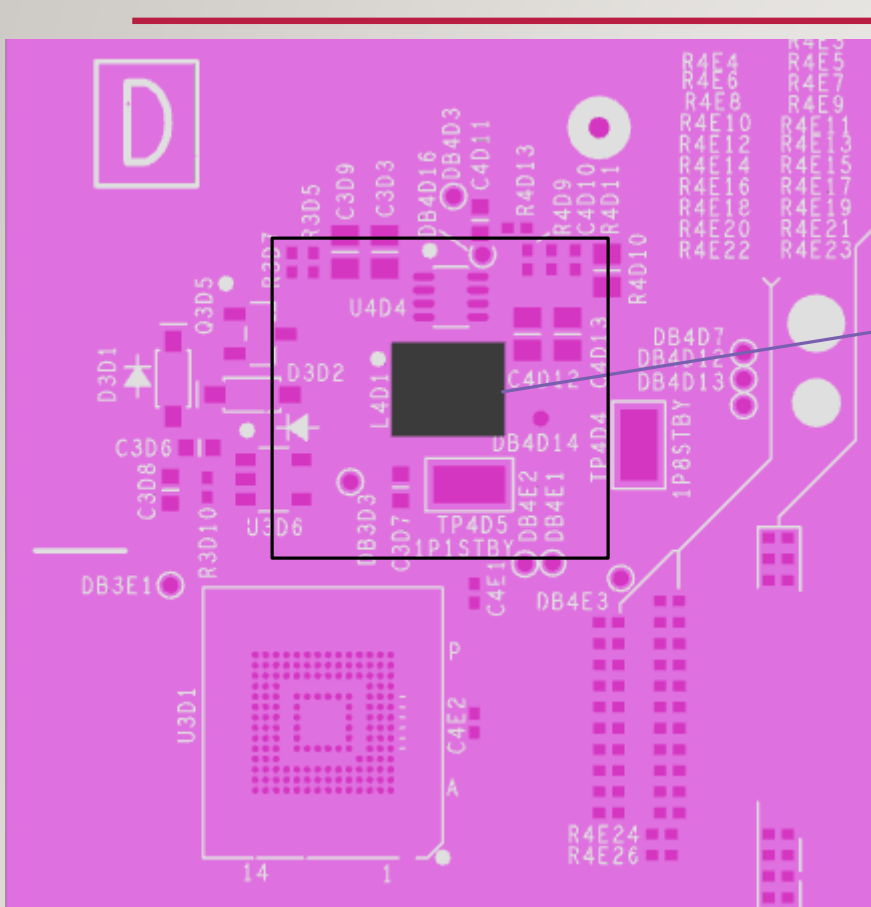
VREG_V5P0_ PWRGD



VREG_IPI_IP8_STBY_VIN



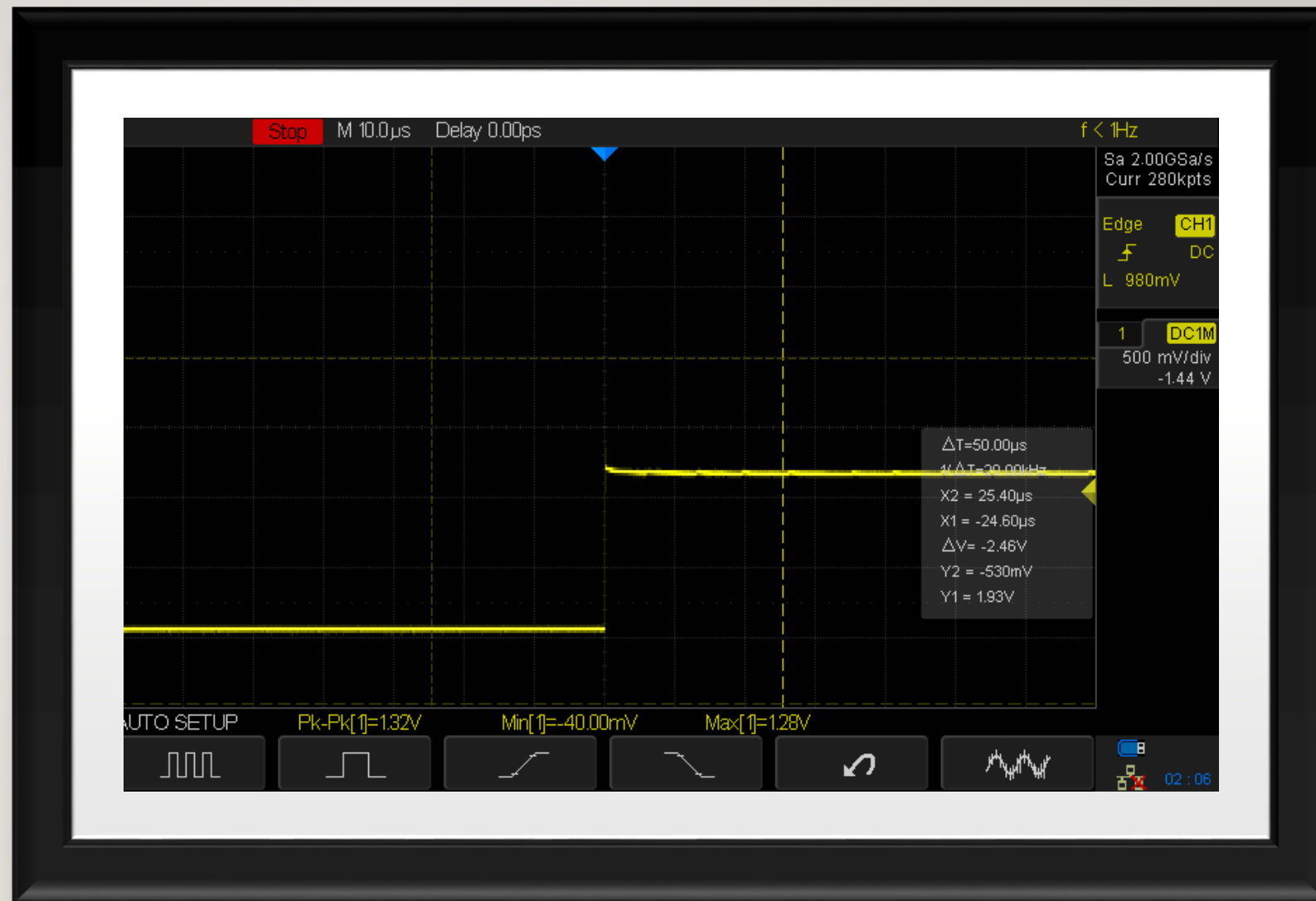
V_IPISTBY



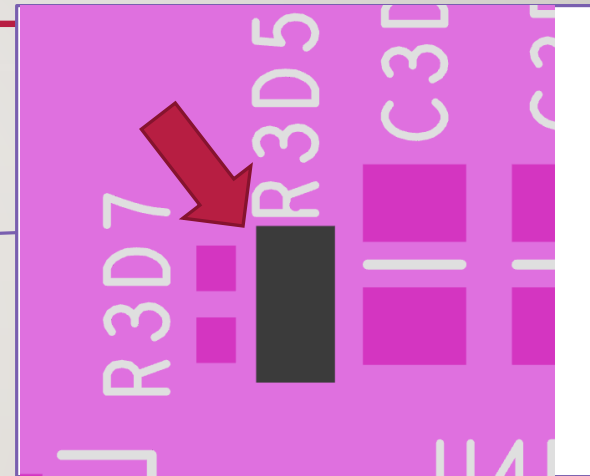
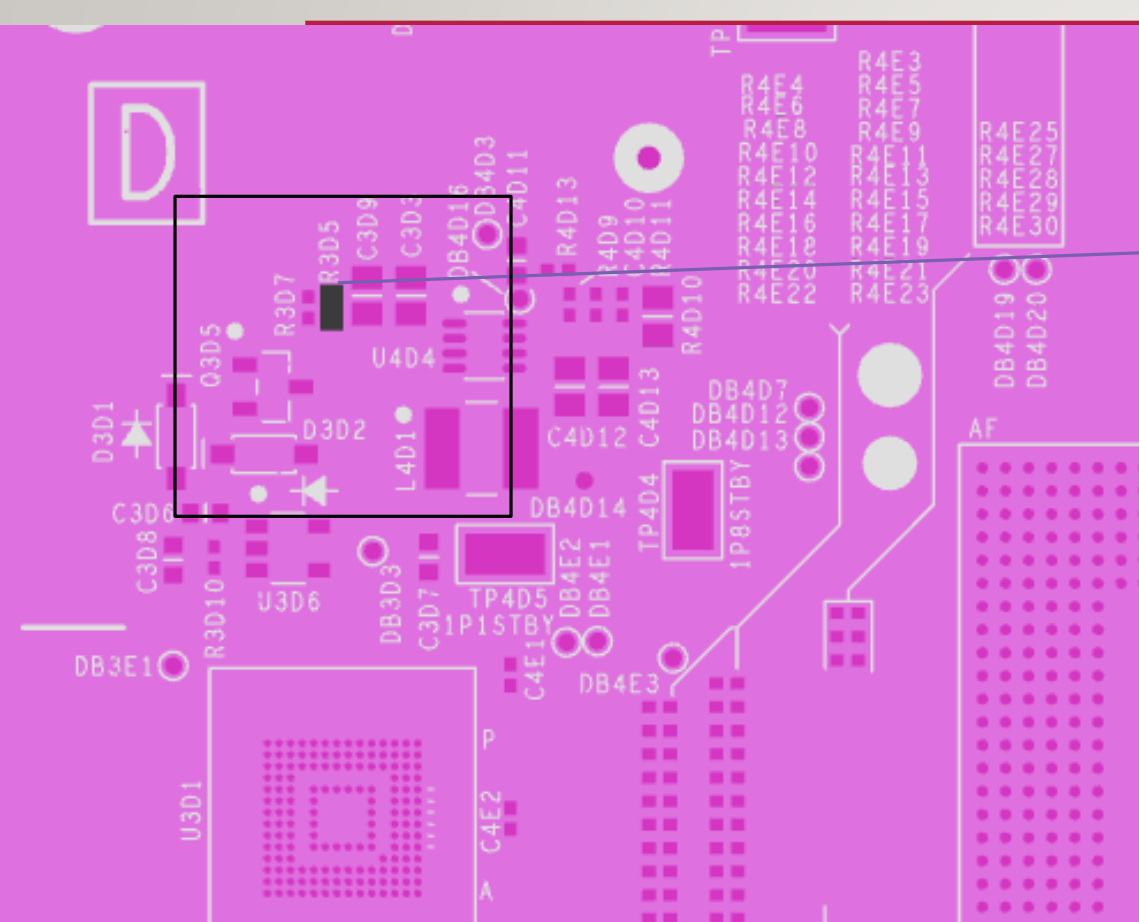
Components :
L4DI.2

Impedance	Voltage
184Ω	1.32V

V_IPISTBY



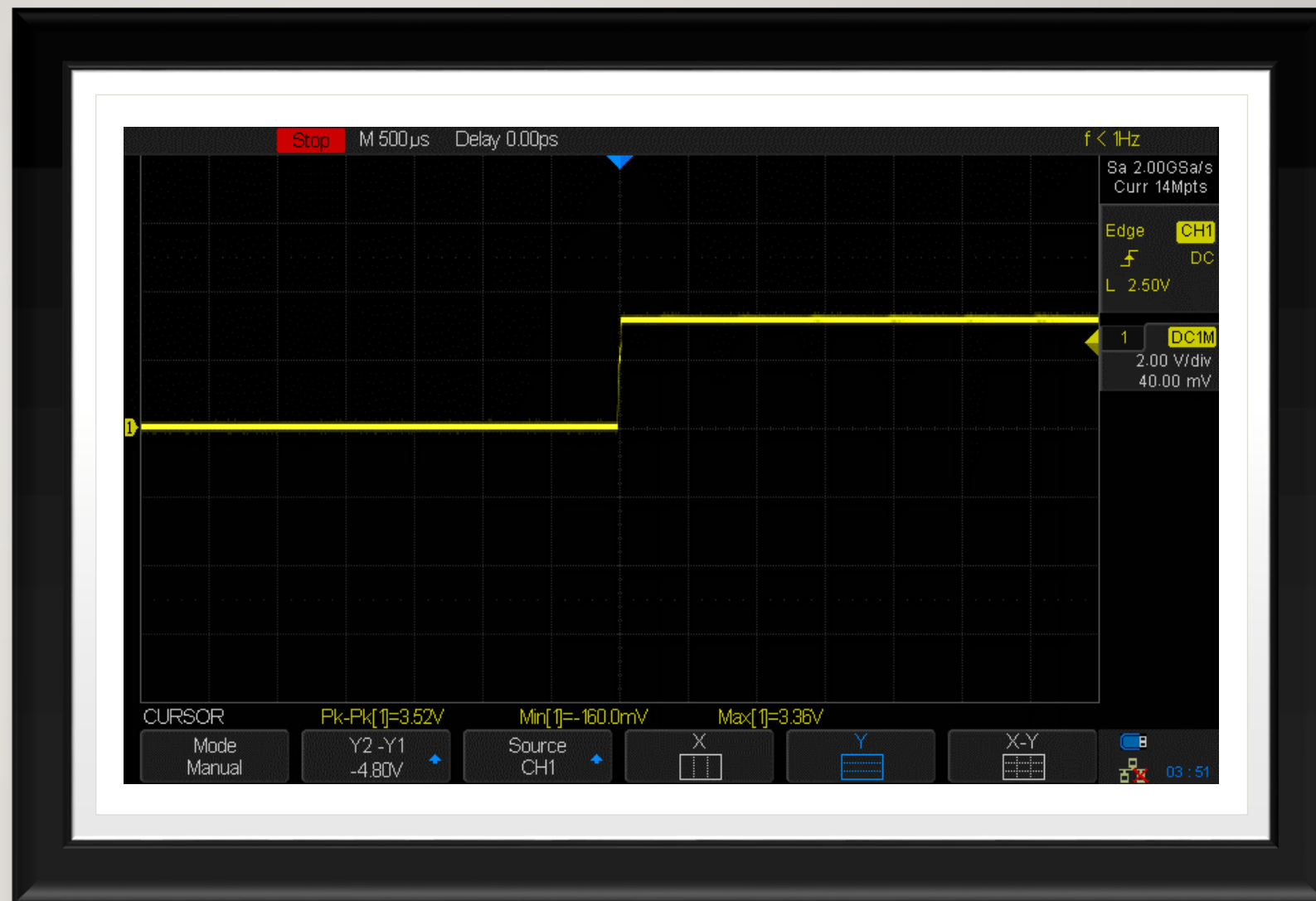
VREG_IP8STBY_EN



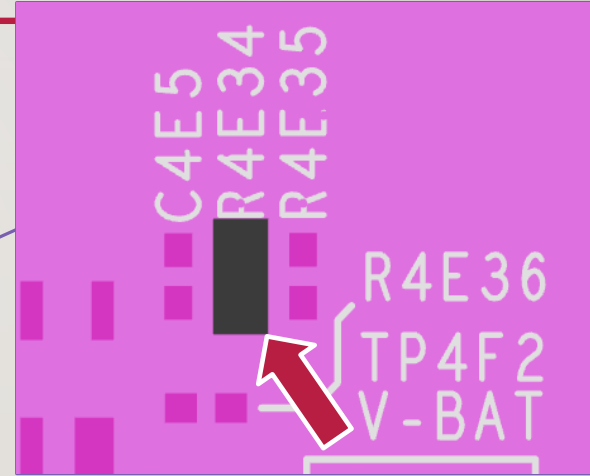
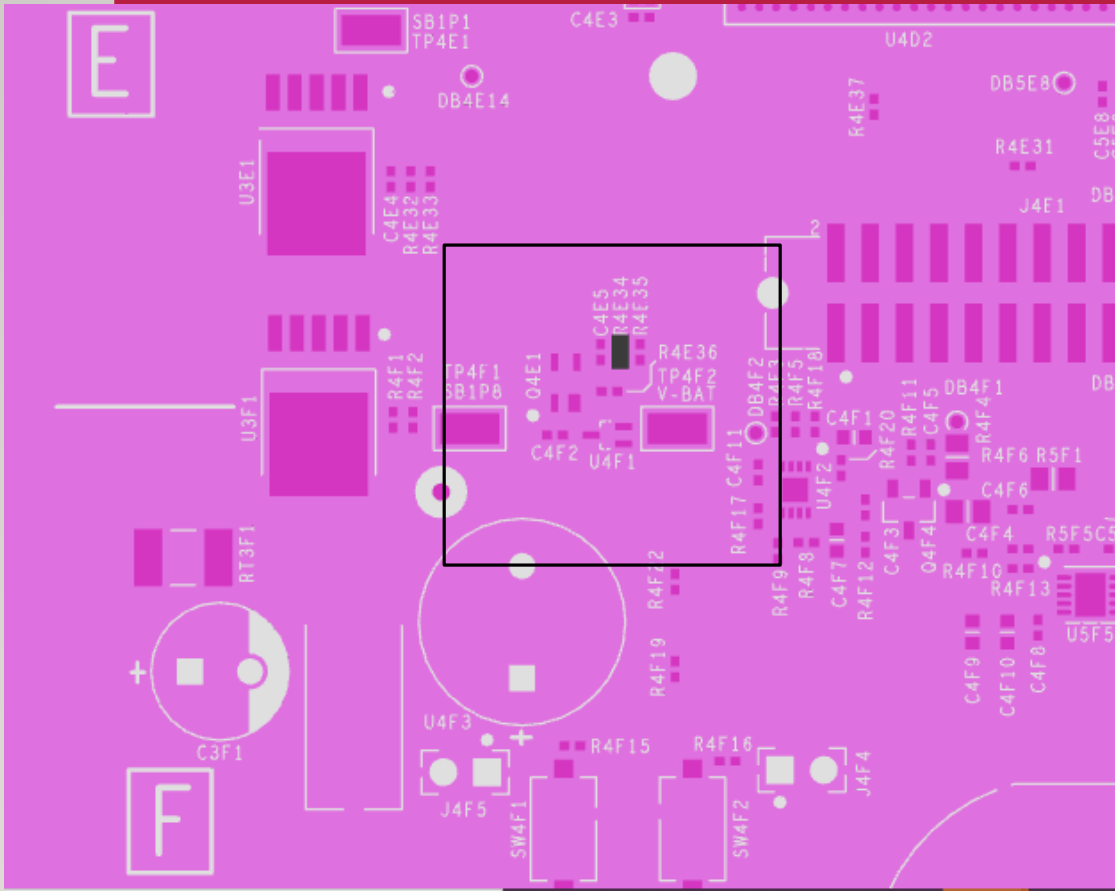
Components :
R3D5.2

Impedance	Voltage
42.7Ω	3.52V

VREG_IP8STBY_EN



V_BAT



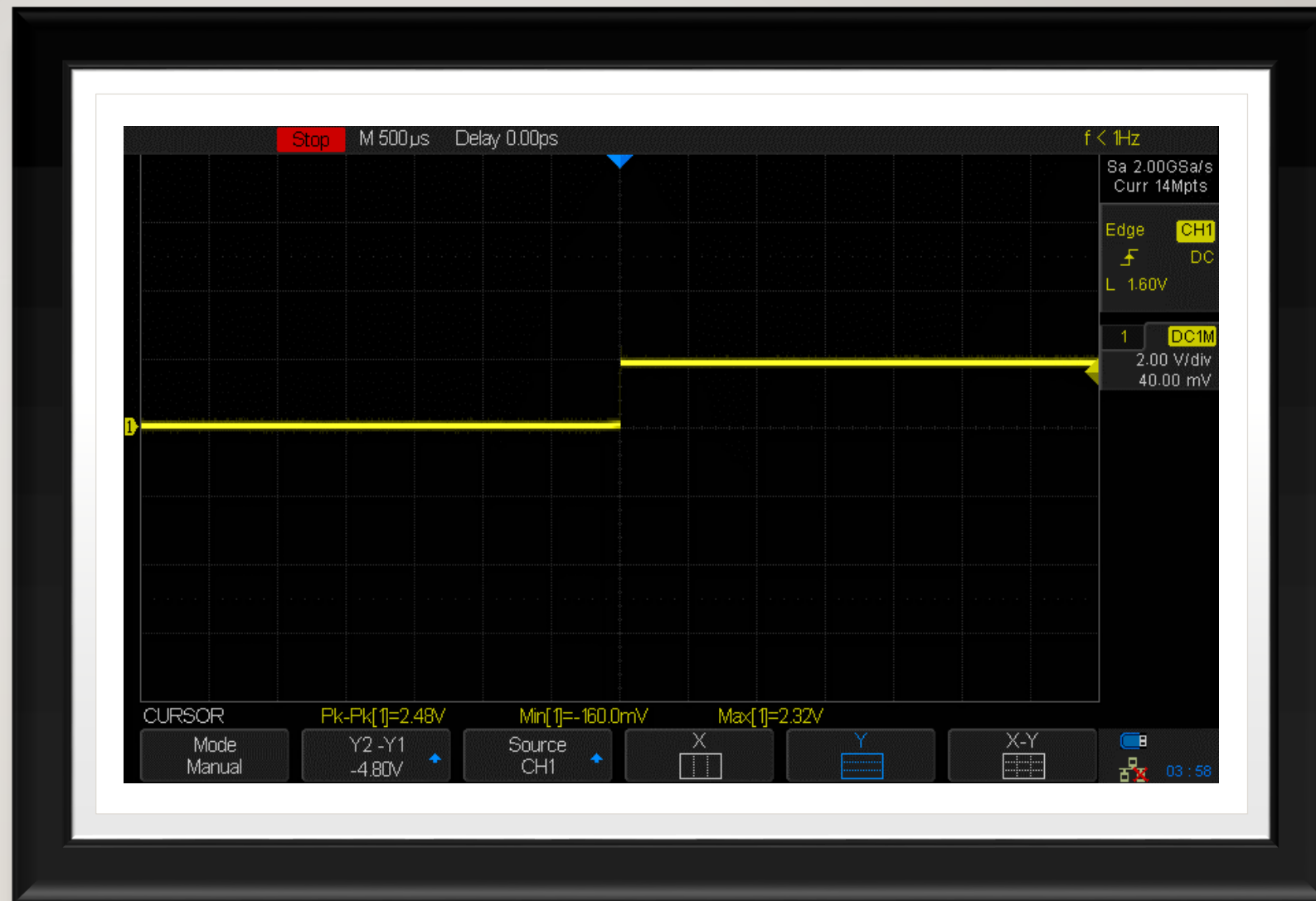
Components :
R4E34.2

Impedance	Voltage
2.99KΩ	2.48V

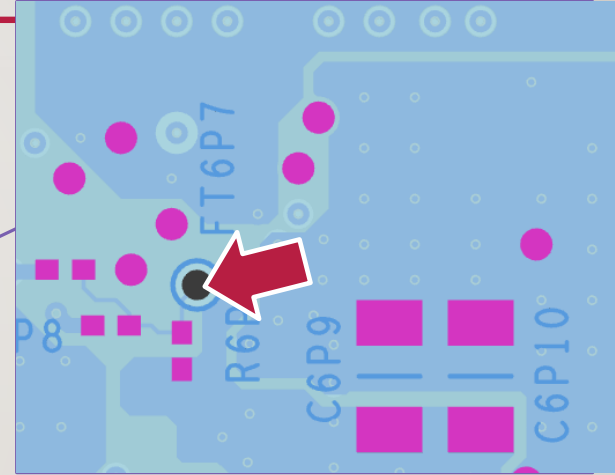
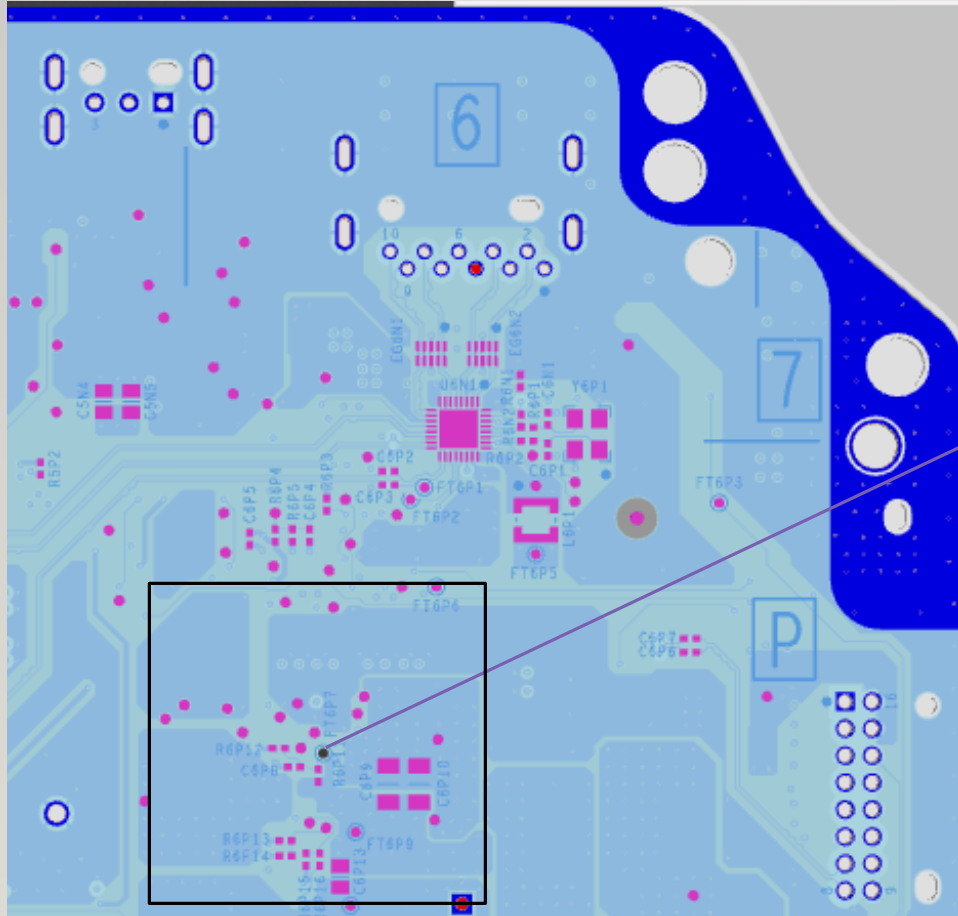


V_BAT.txt

V_BAT



VREG_3P3STBY_EN



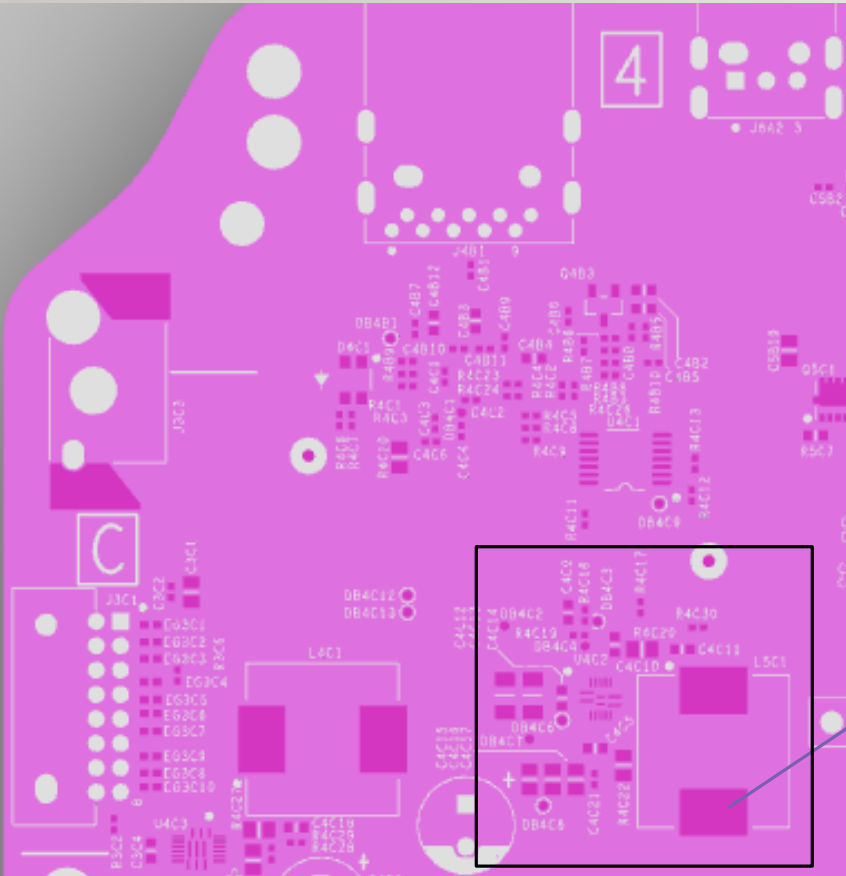
Components :
FT6P7

Impedance	Voltage
2.99K Ω	2.40V

VREG_3P3STBY_EN

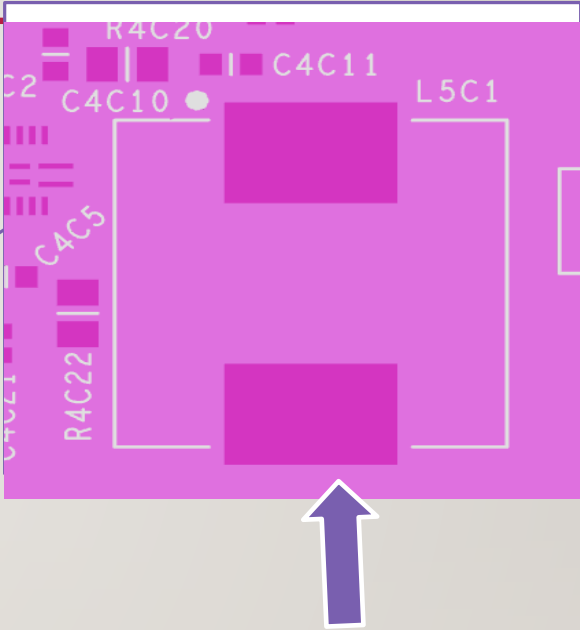


V_3P3STBY



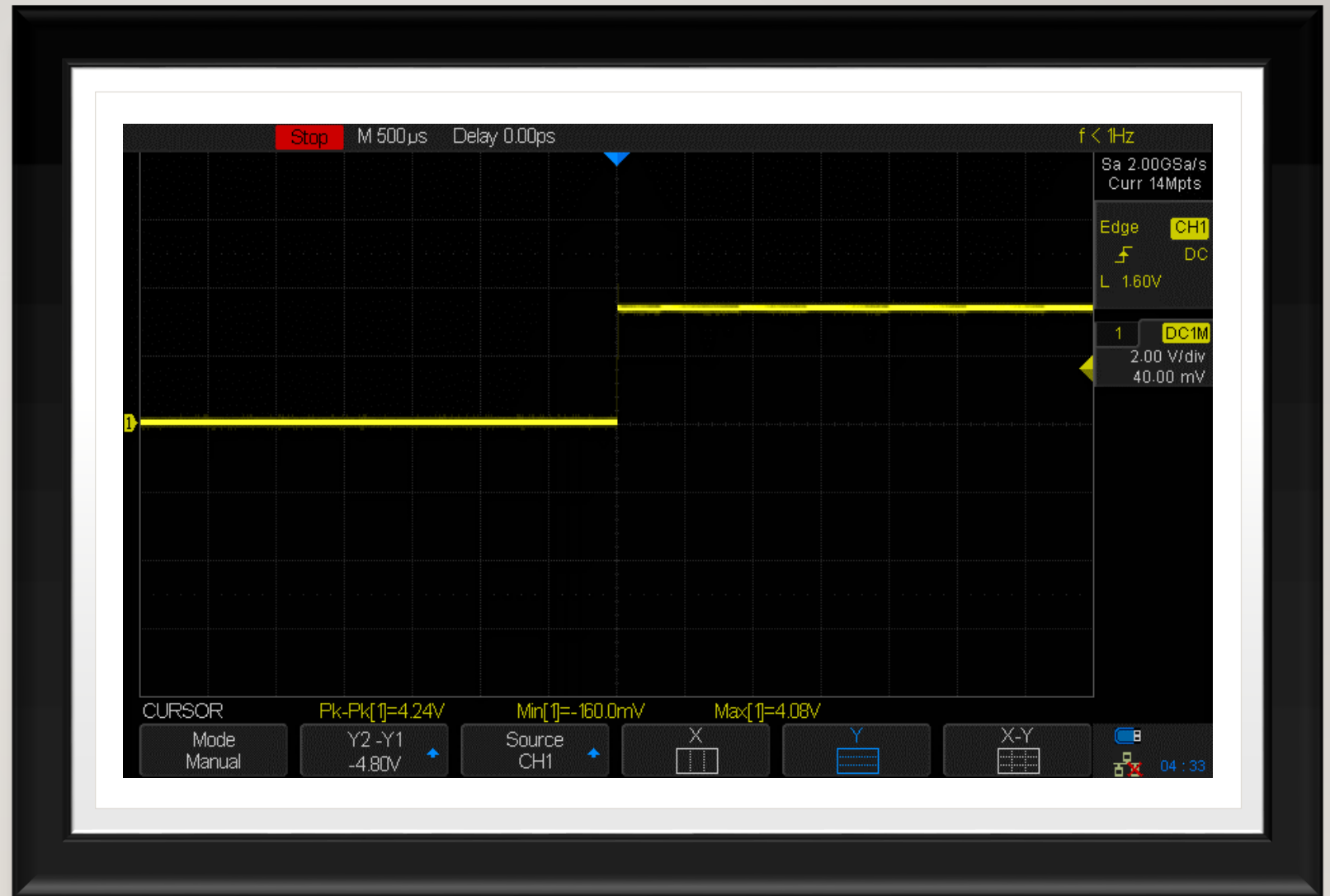
Components :
L5C1.2

Impedance	Voltage
1.9KΩ	3.8V

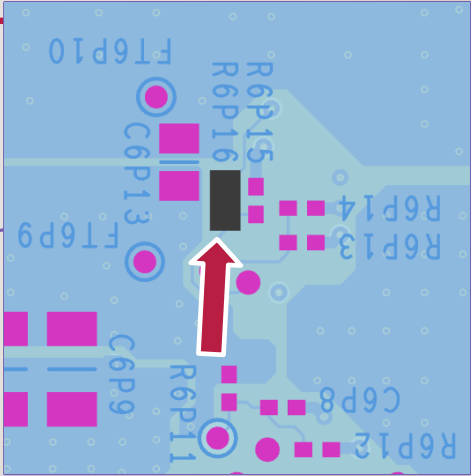
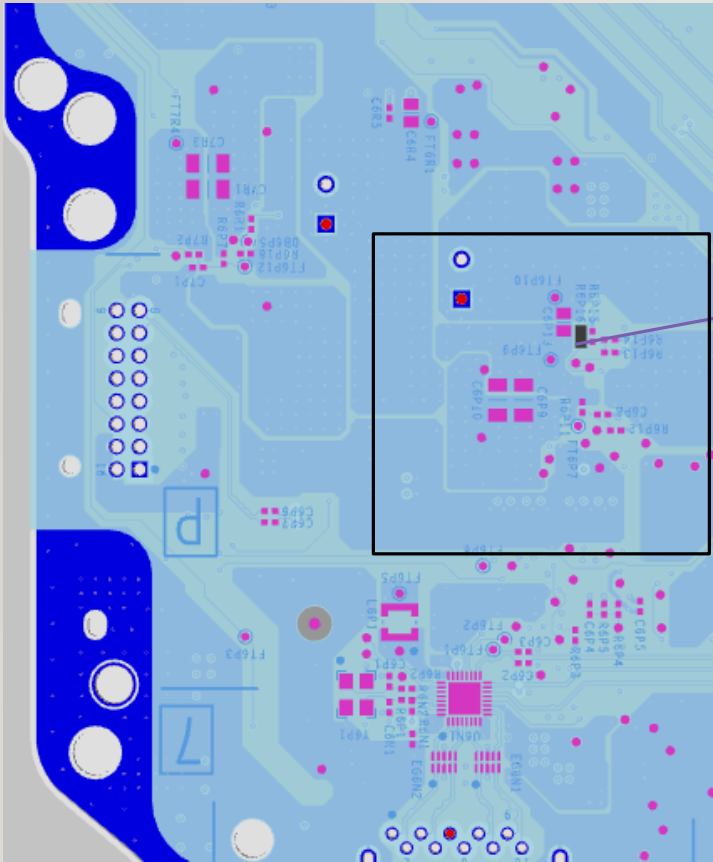


V_3P3STBY.txt

V_3P3STBY



VREG_3P3STBY_PG



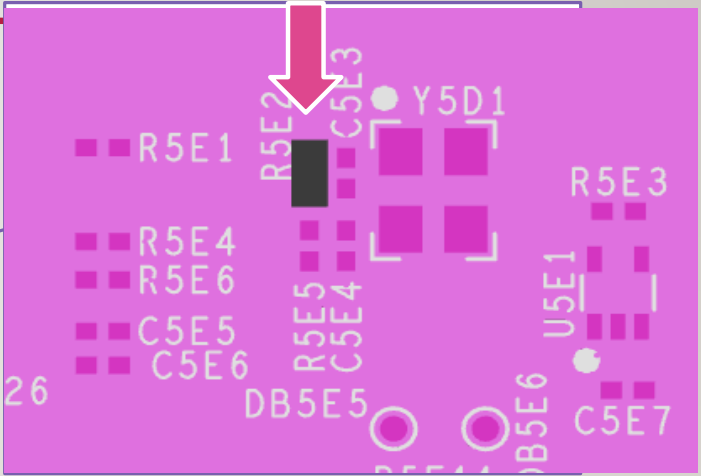
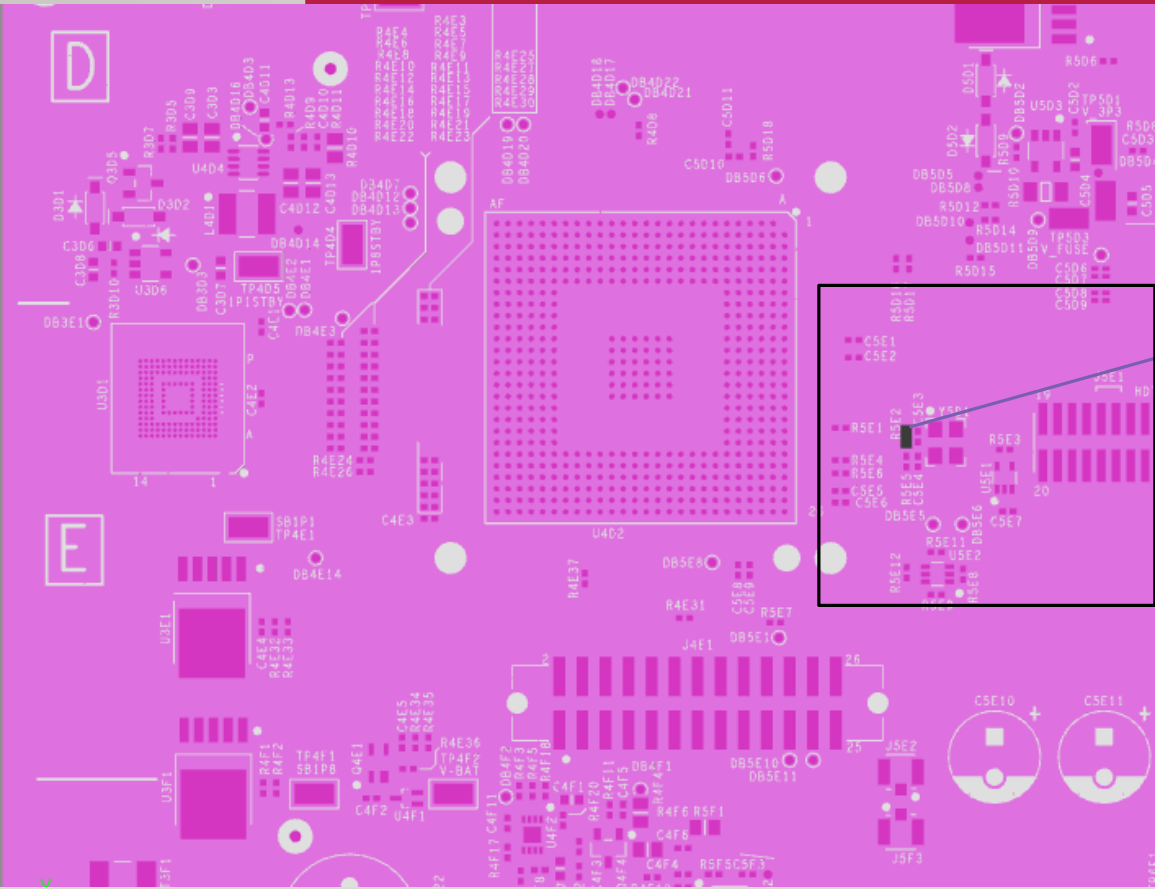
Components :
R6P16.2

Impedance	Voltage
47KΩ	3.8V

VREG_3P3STBY_PG



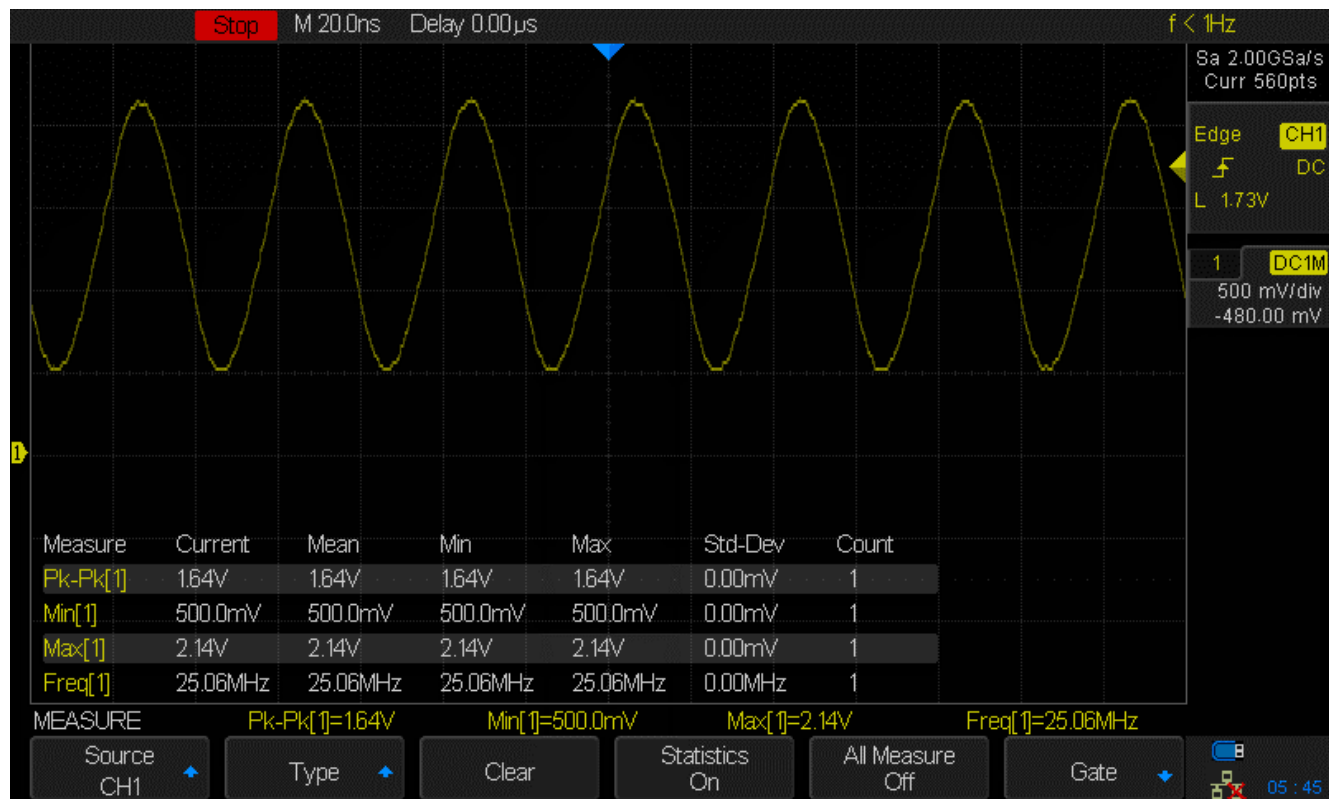
25 MHZ XTAL



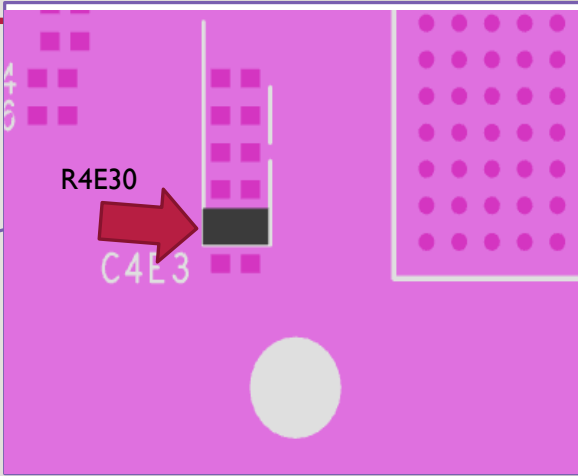
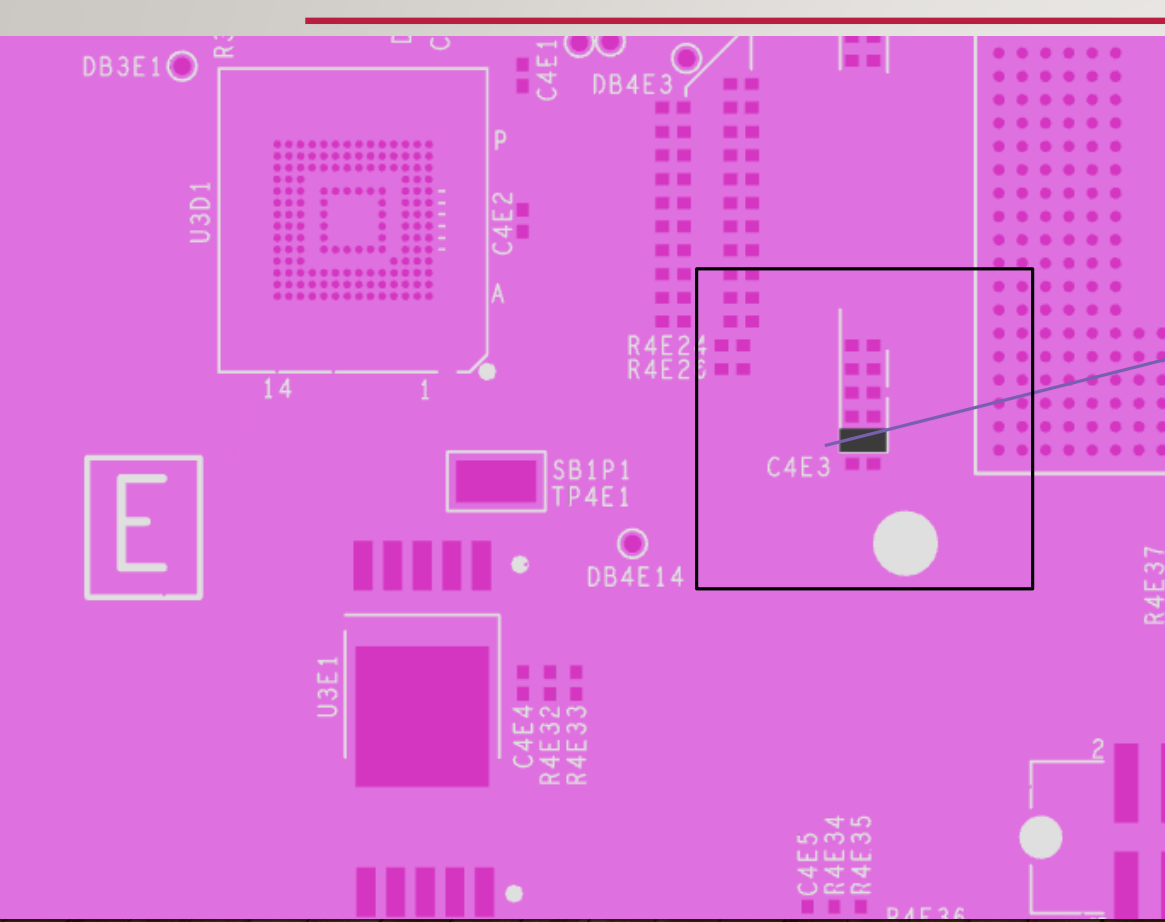
Components :

Impedance	Voltage
40.5KΩ	1.64V

25 MHz XTAL



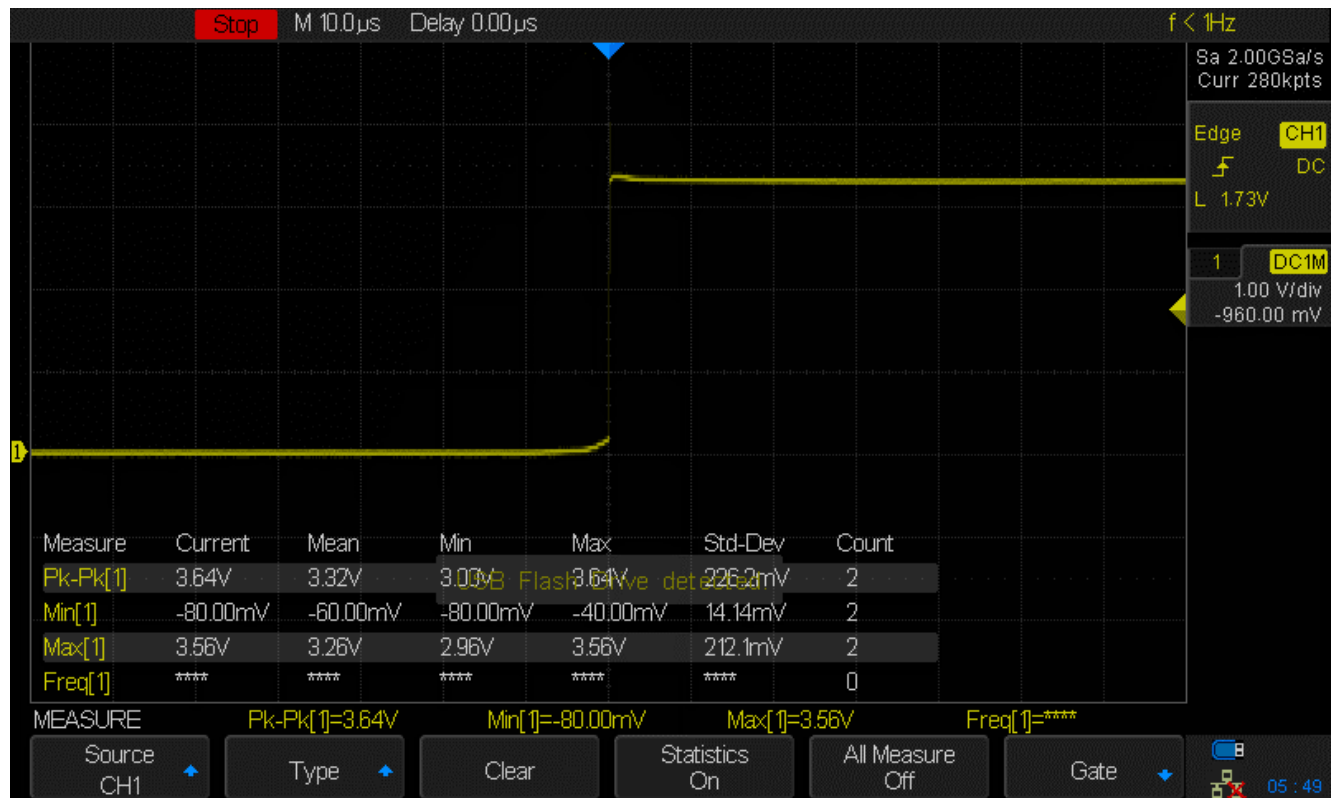
SMC_RST_N



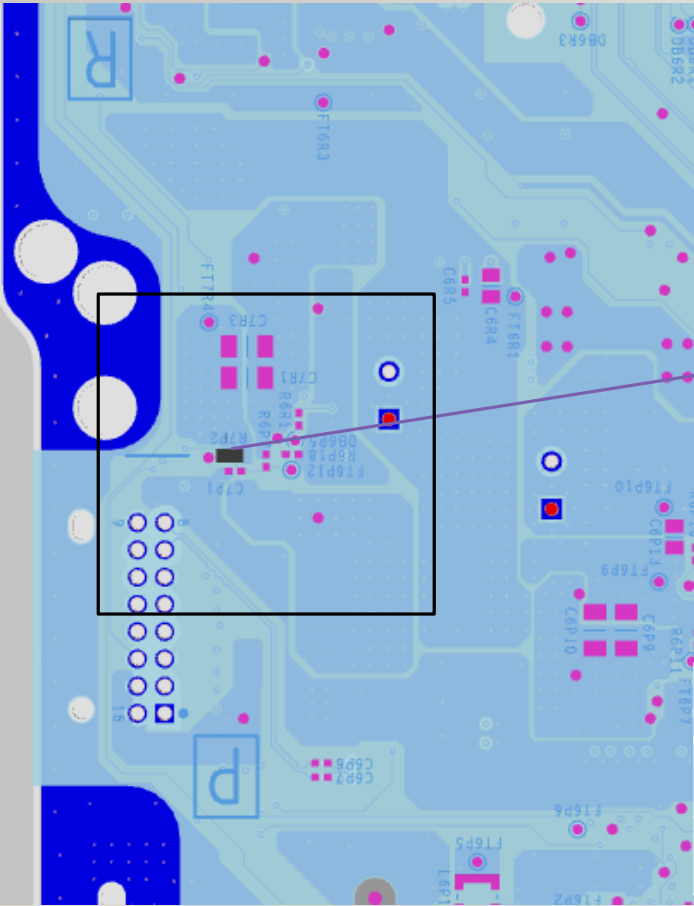
Components :
R4E30.2

Impedance	Voltage
30KΩ	3.3V

SMC_RST_N



VREG_V5P0_EN



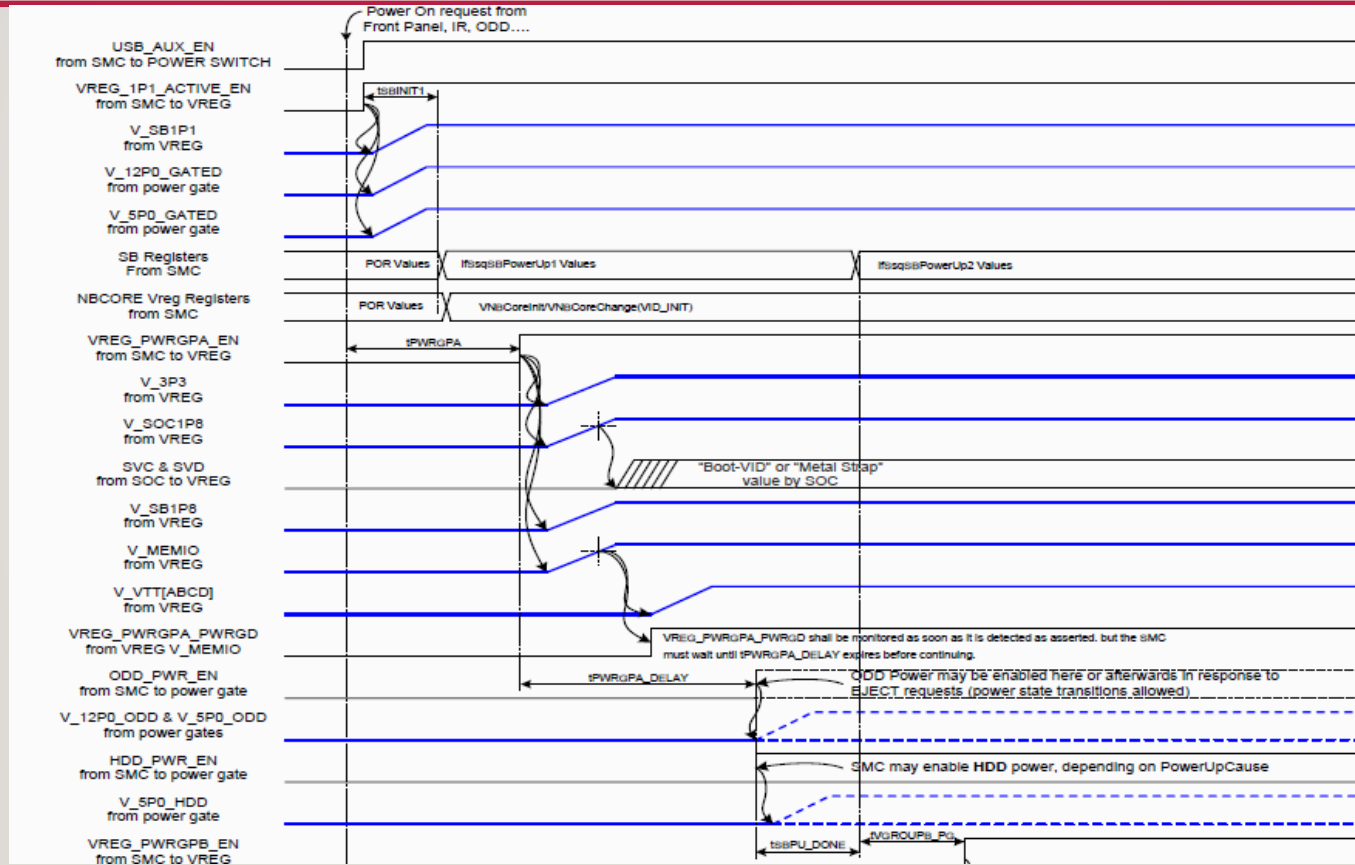
Components :
R7P2.1

Impedance	Voltage
16.30K Ω	2V

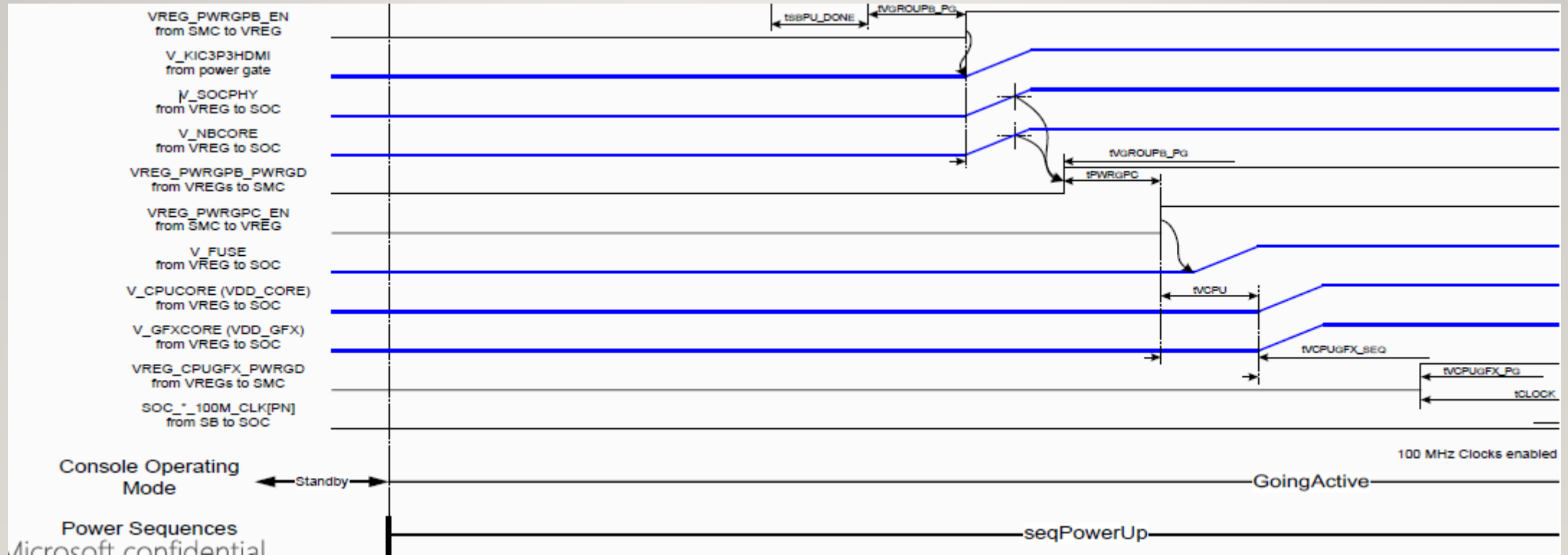
VREG_V5P0_EN



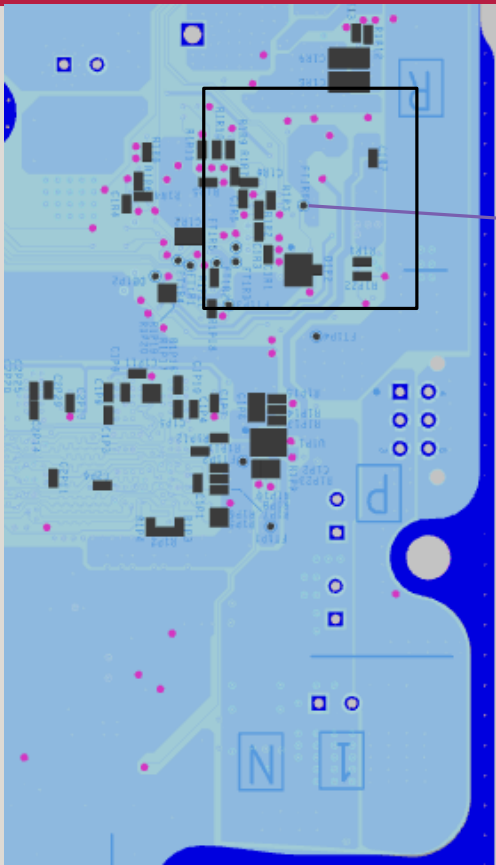
POWER ON SEQUENCE



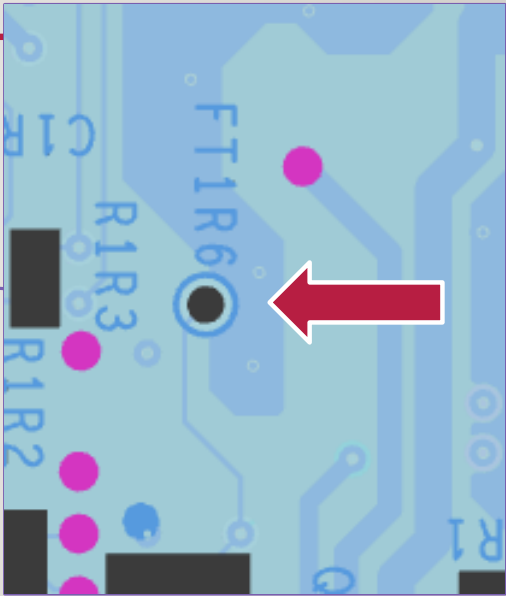
POWER ON SEQUENCE



VREG_IPI_ACTIVE_EN

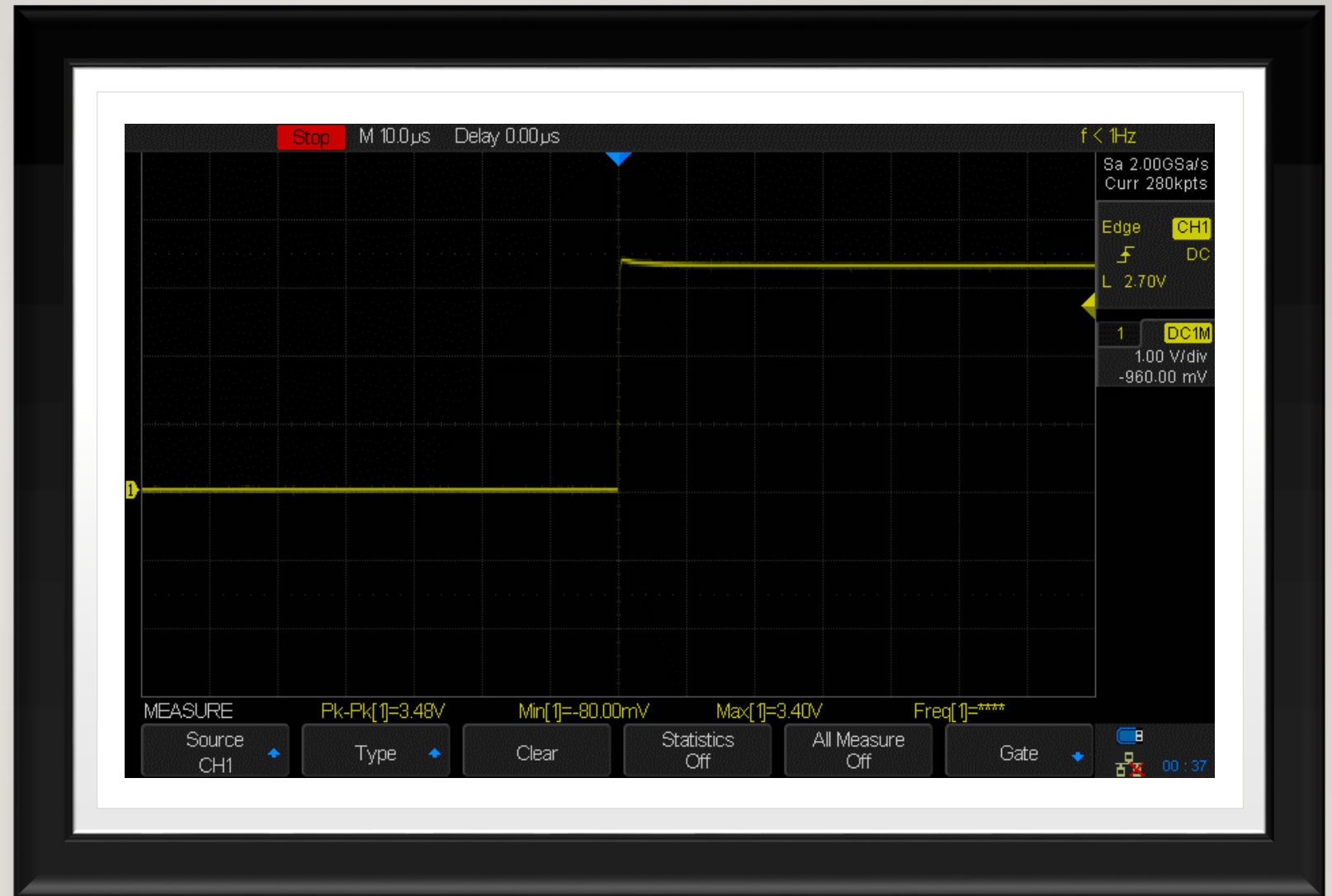


Components :
FTIR6

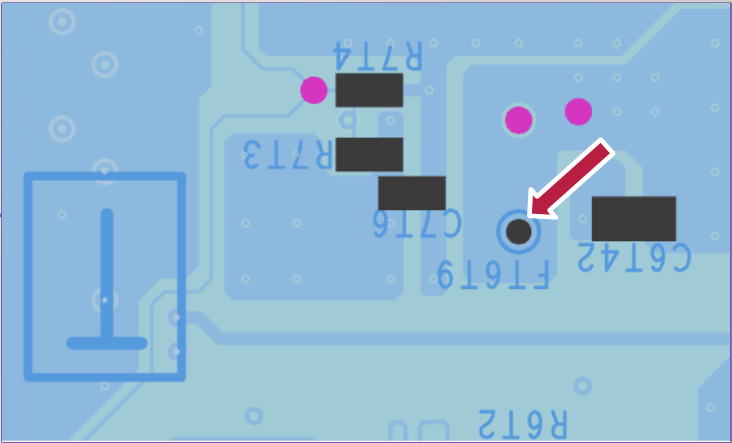
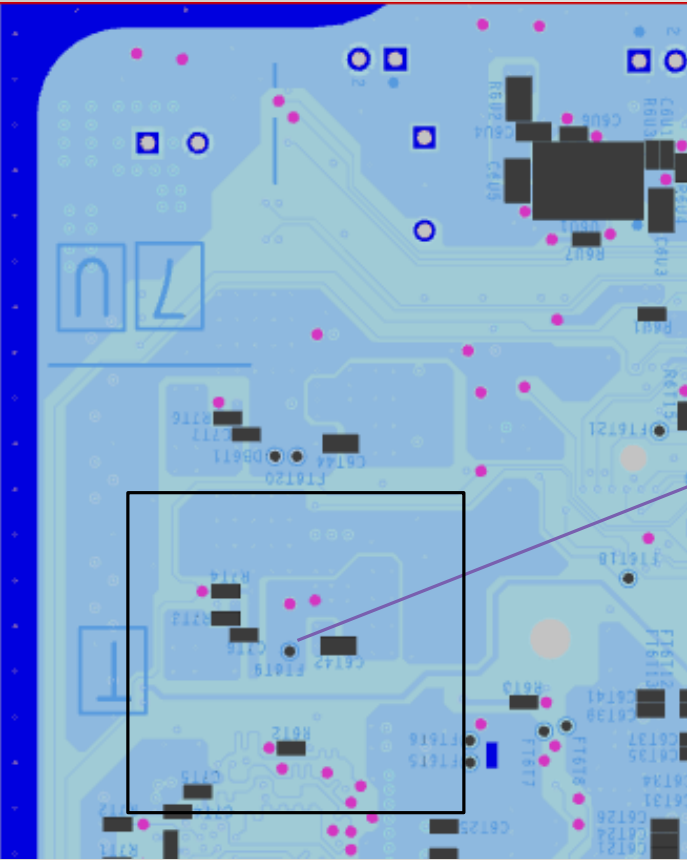


Impedance	Voltage
4.27KΩ	3.3V

VREG_IPI_ACTIVE_EN



V_SBIPI



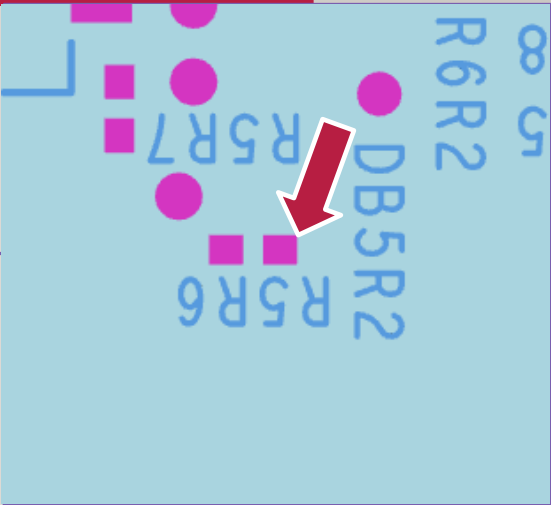
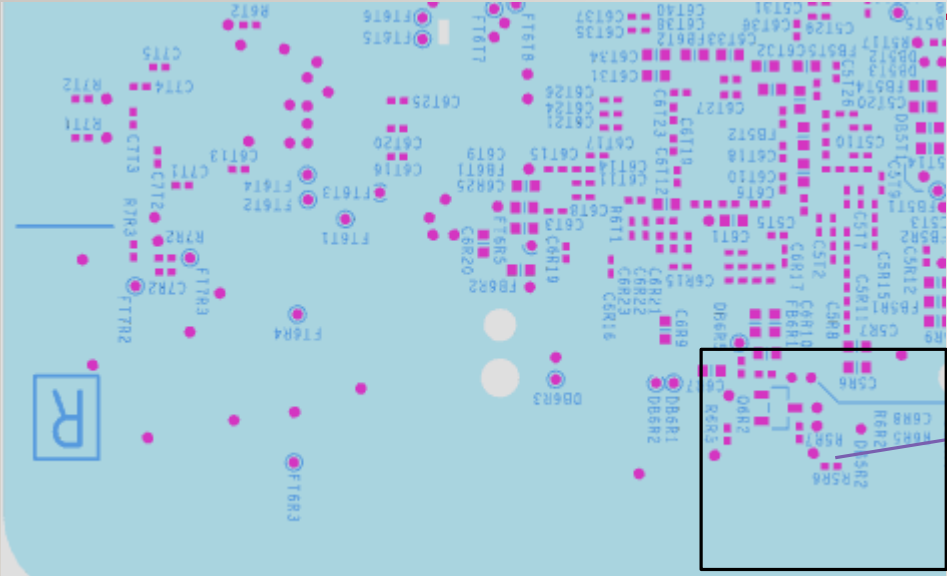
Components :
FT6T9 or DB4E14

Impedance	Voltage
295Ω	1.28V

V_SBIPI



V_5P0_GATED

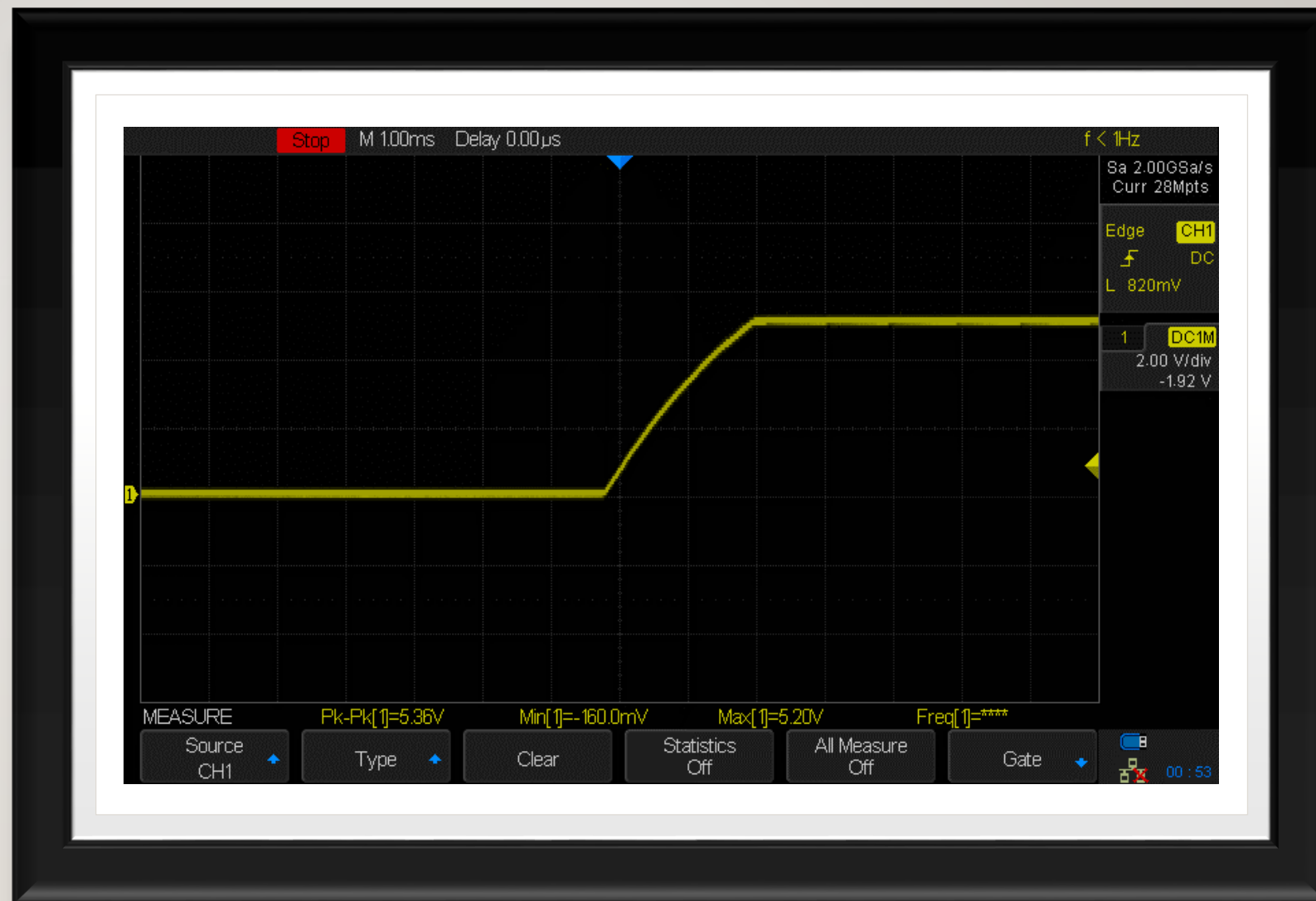


Components :

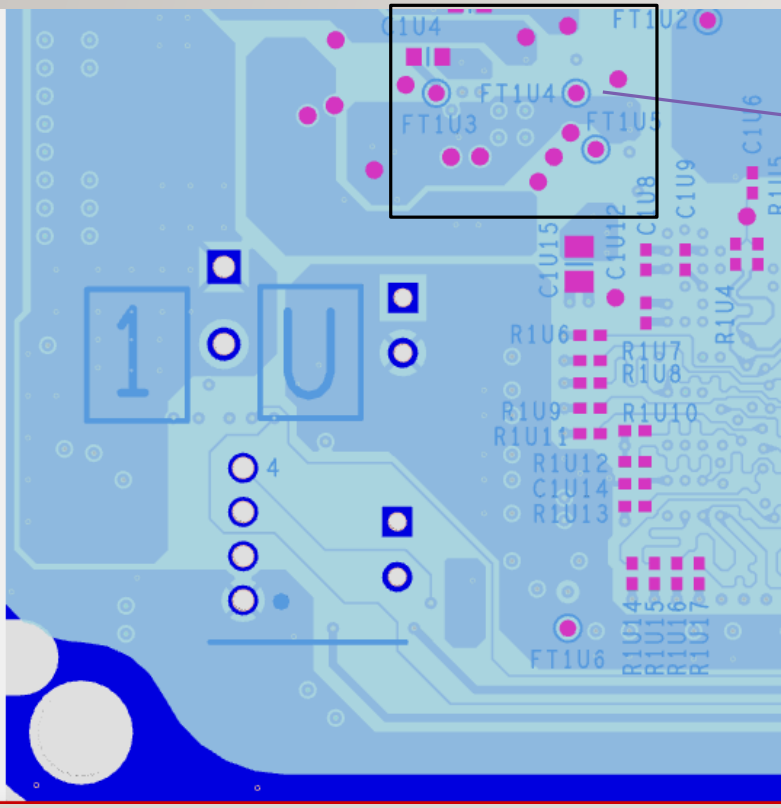
R5R6.I

Impedance	Voltage
31.8KΩ	5V

V_5P0_GATED



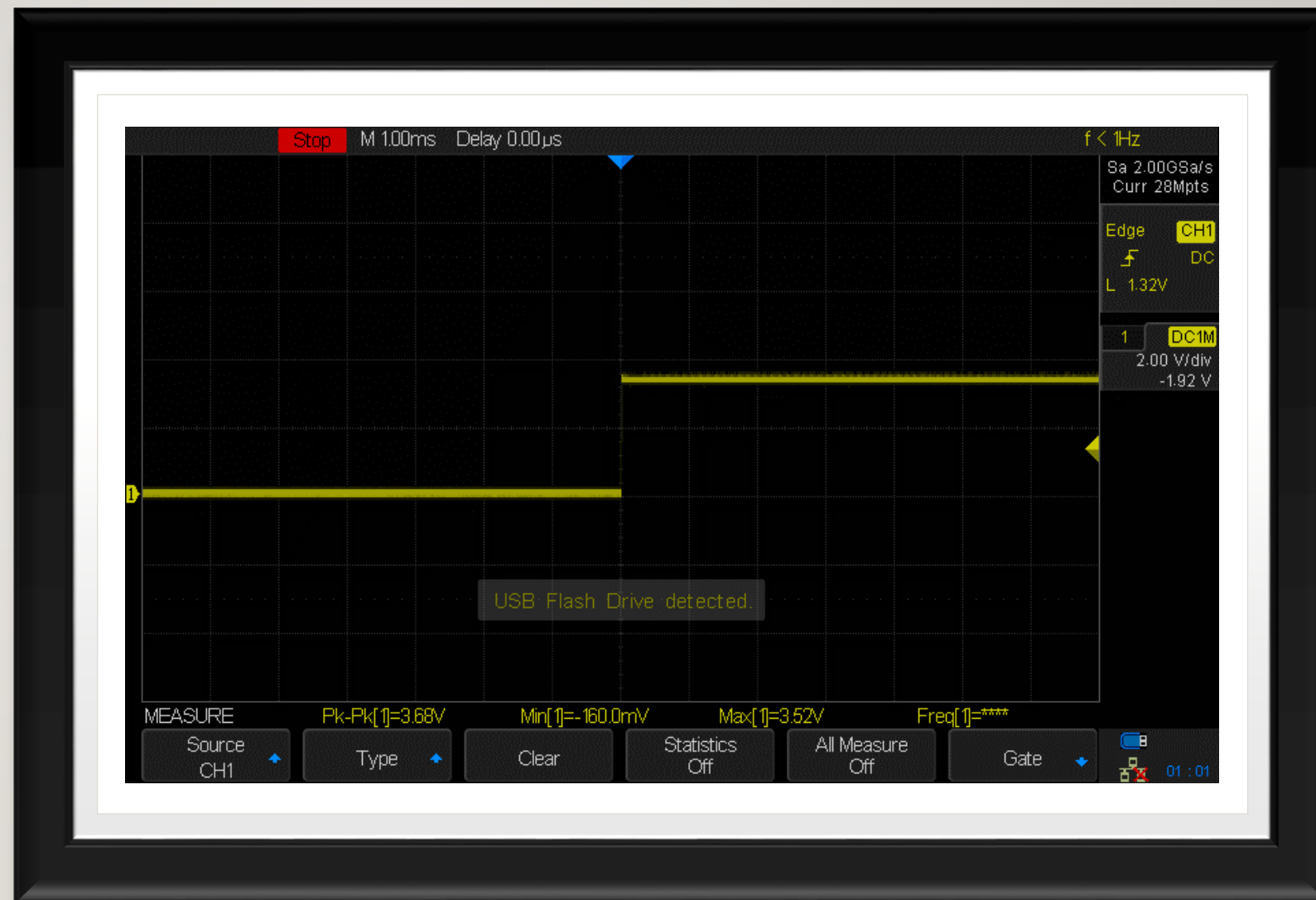
VREG_PWRGPA_EN



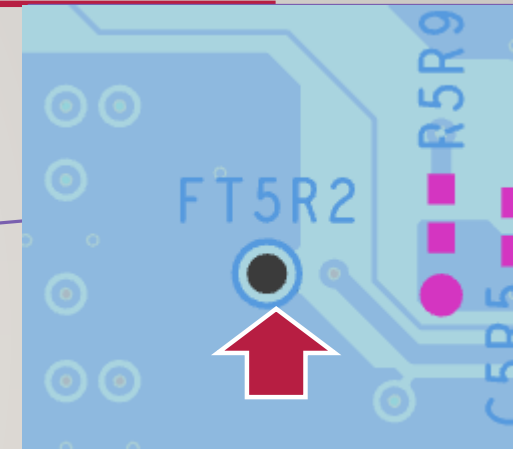
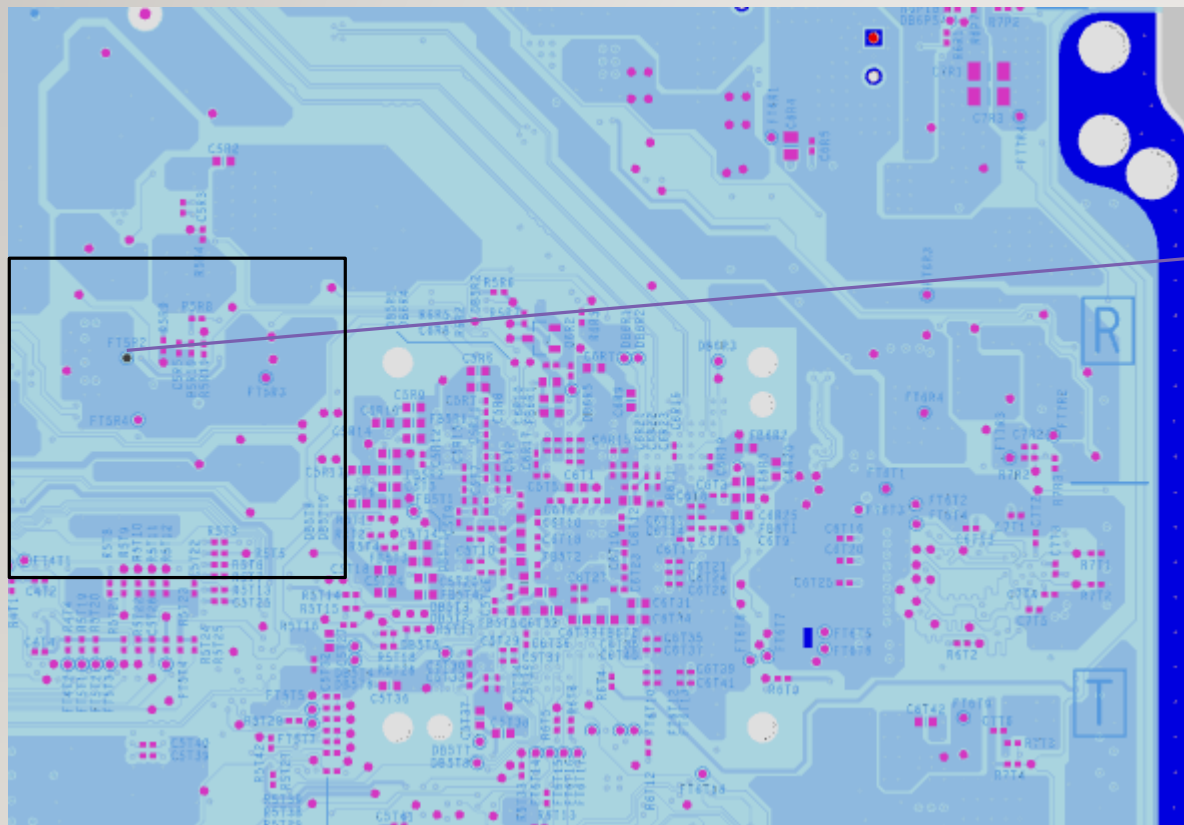
Components :
FTIU4

Impedance	Voltage
3.72KΩ	2.8V

VREG_PWRGPA_EN



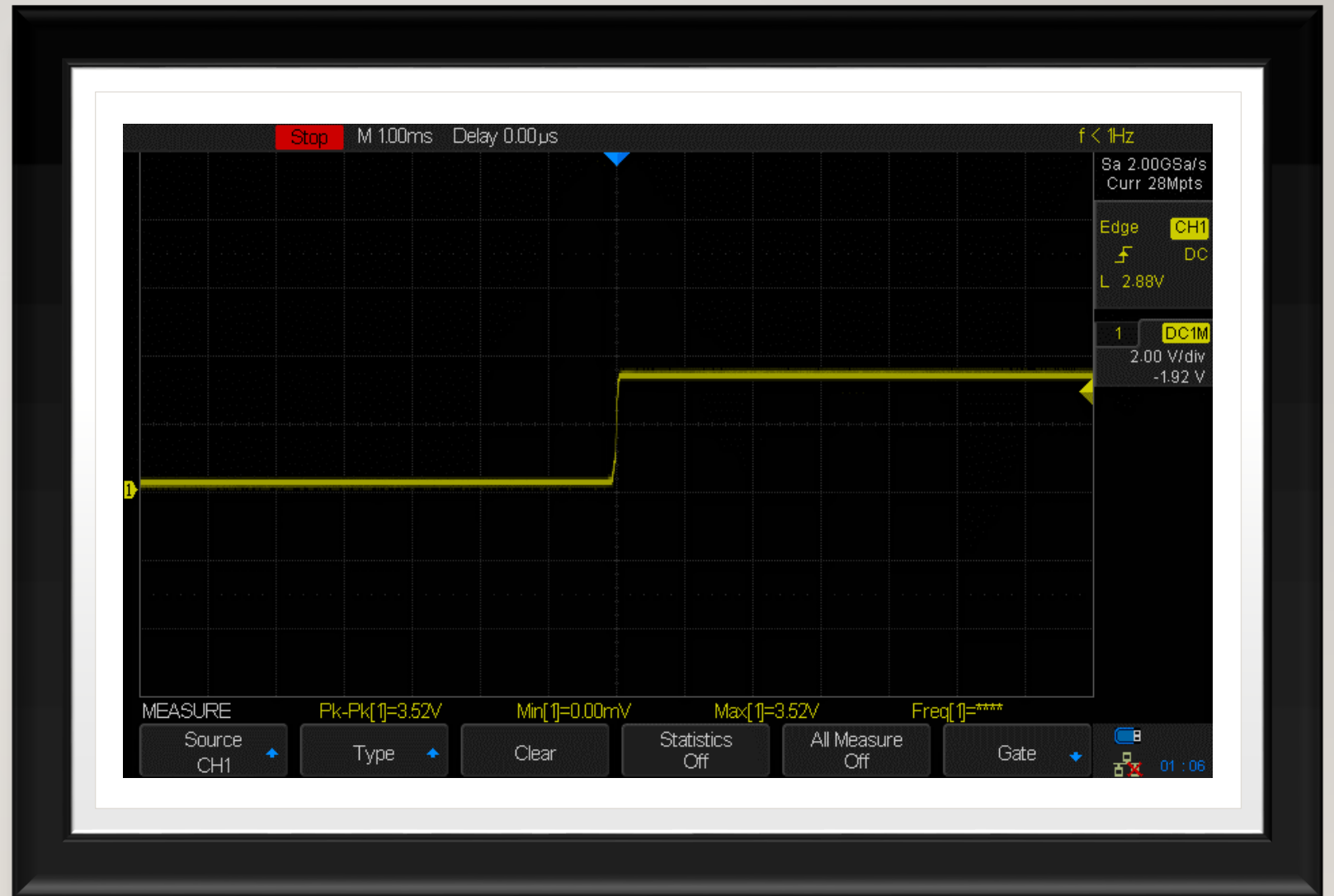
V_3P3



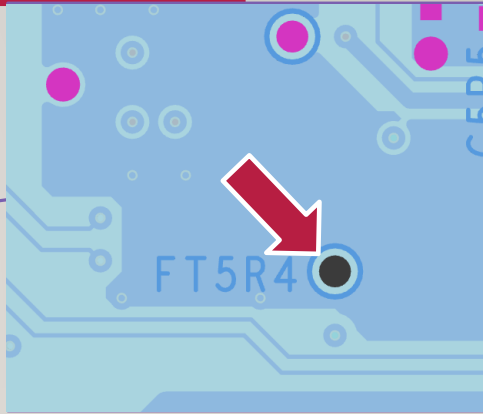
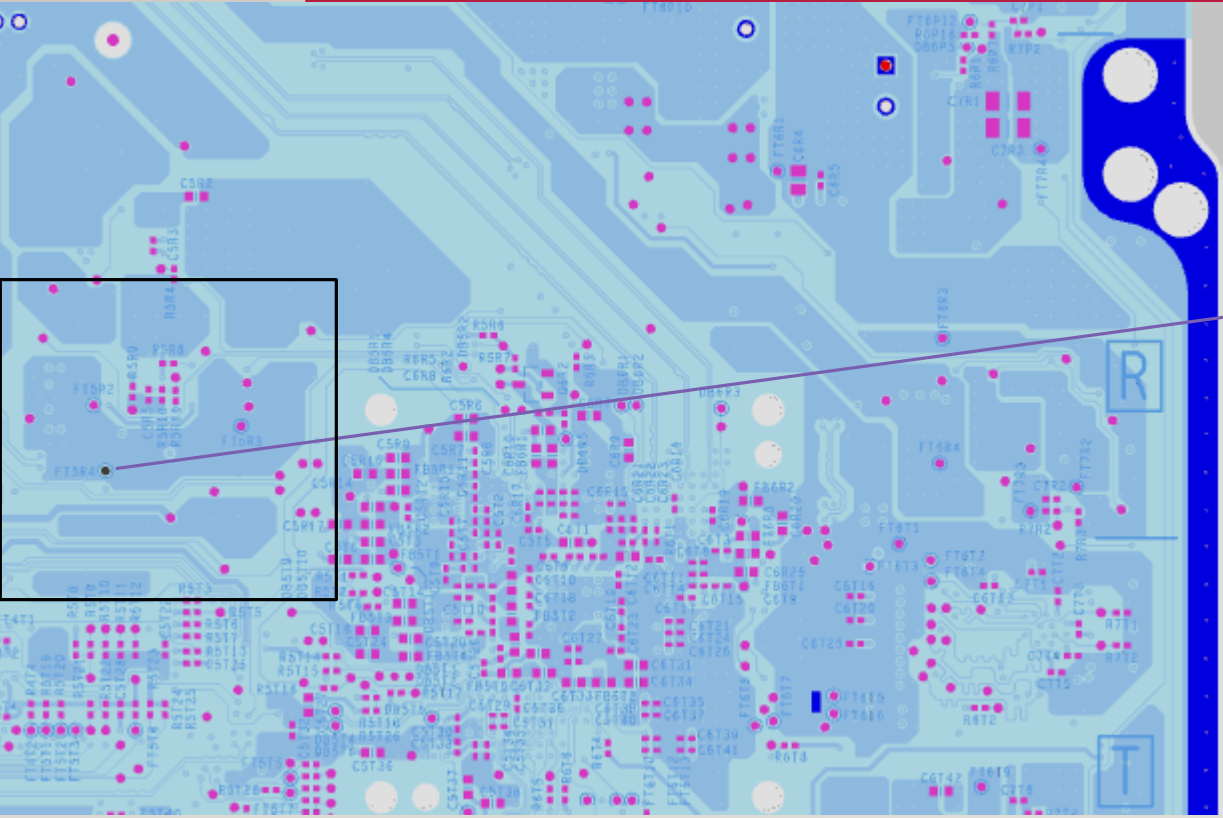
Components :
FT5R2 or DB5D2

Impedance	Voltage
4.45K Ω	3.8V

V_3P3



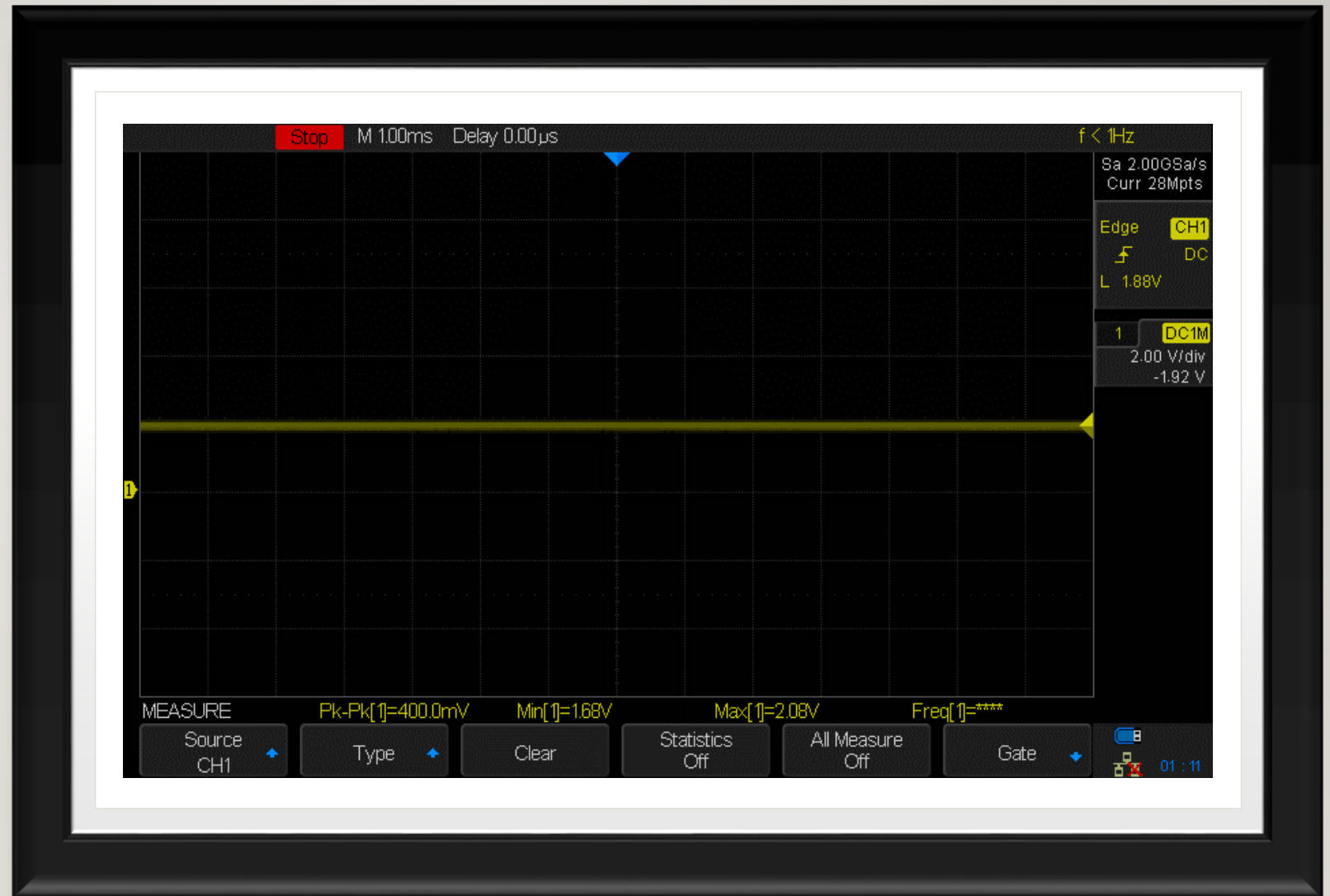
V_SOC IP8



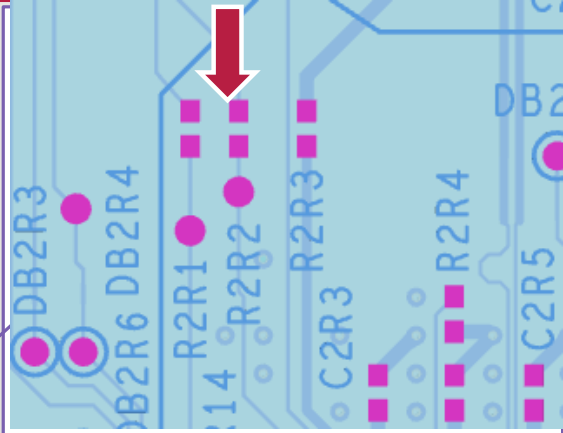
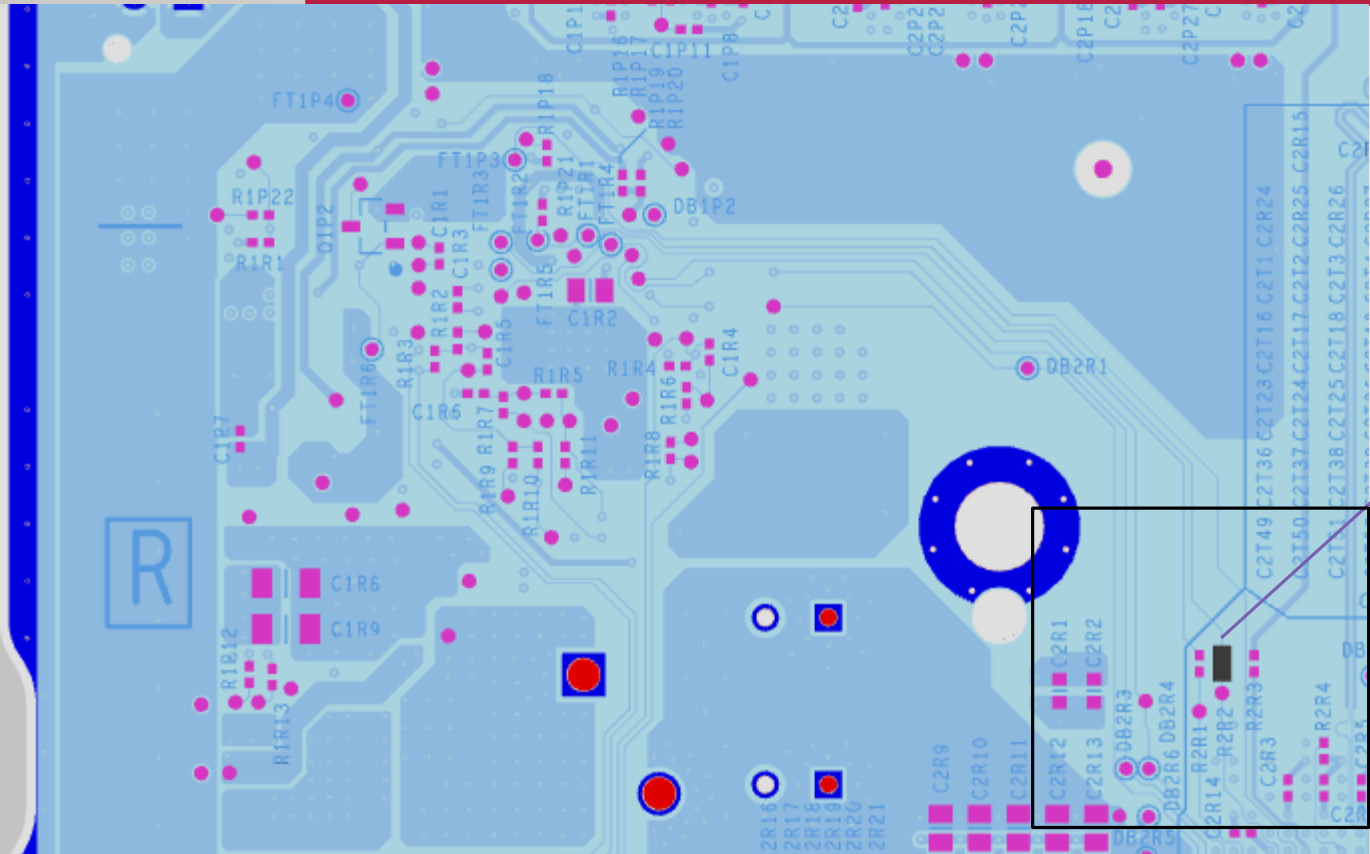
Components :
FT5R4 or DB5DI2

Impedance	Voltage
415Ω	2V

V_SOCIP8



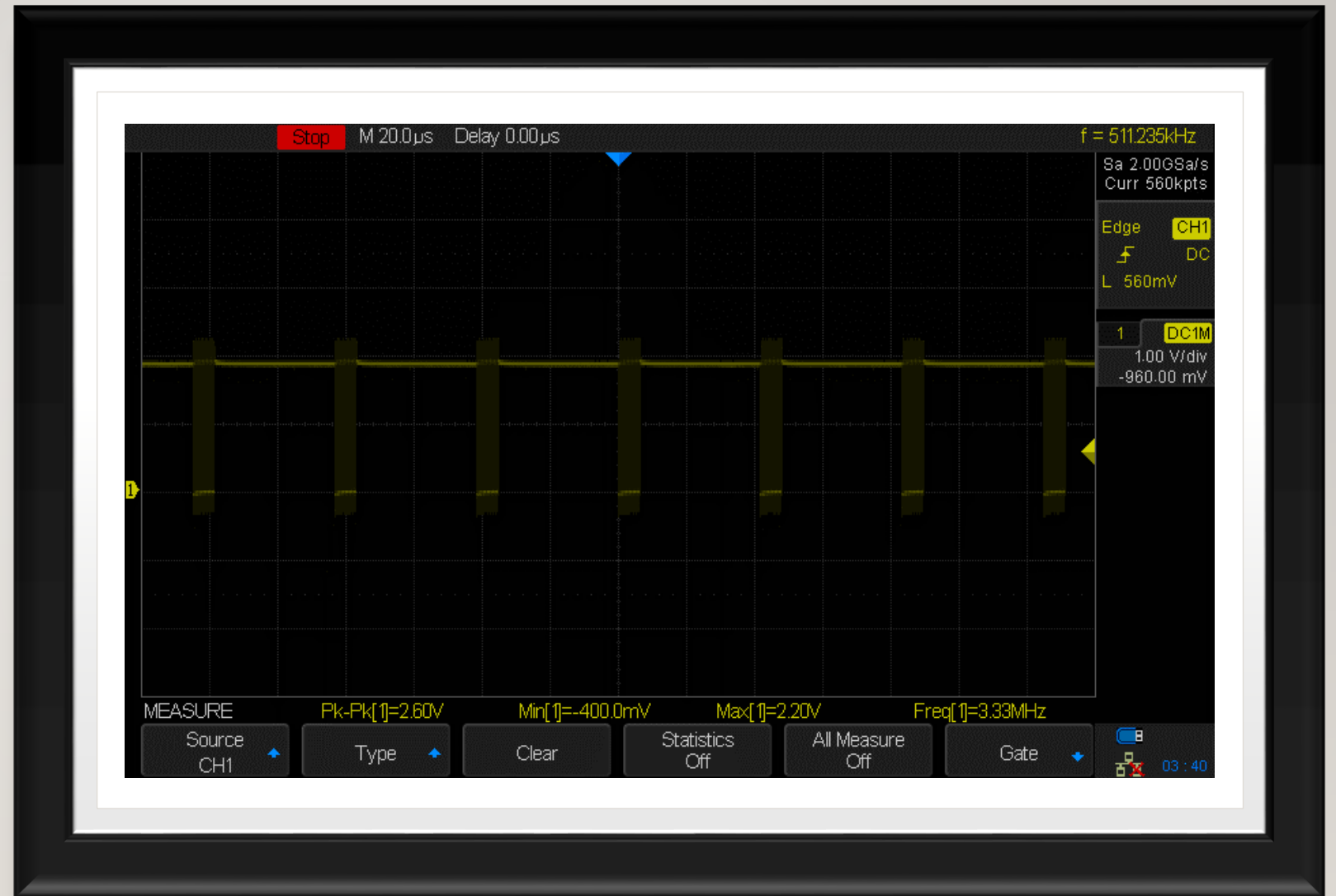
SVC



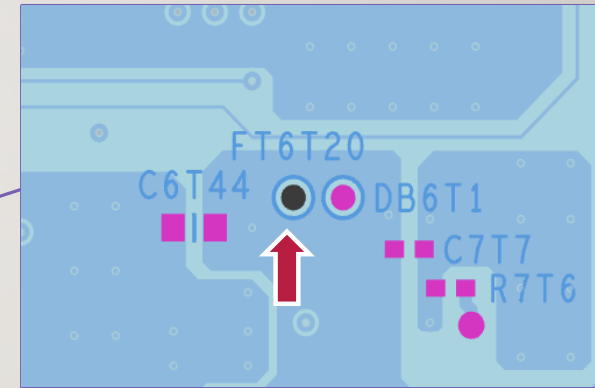
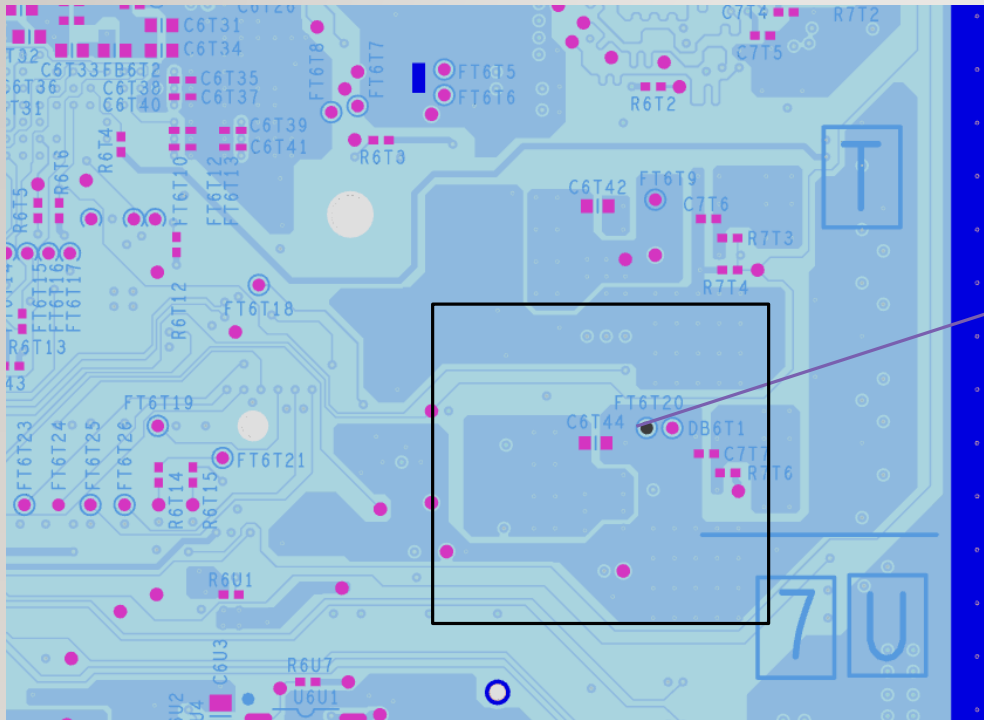
Components :
R2R2.1

Impedance	Voltage
36KΩ	2V

SVC



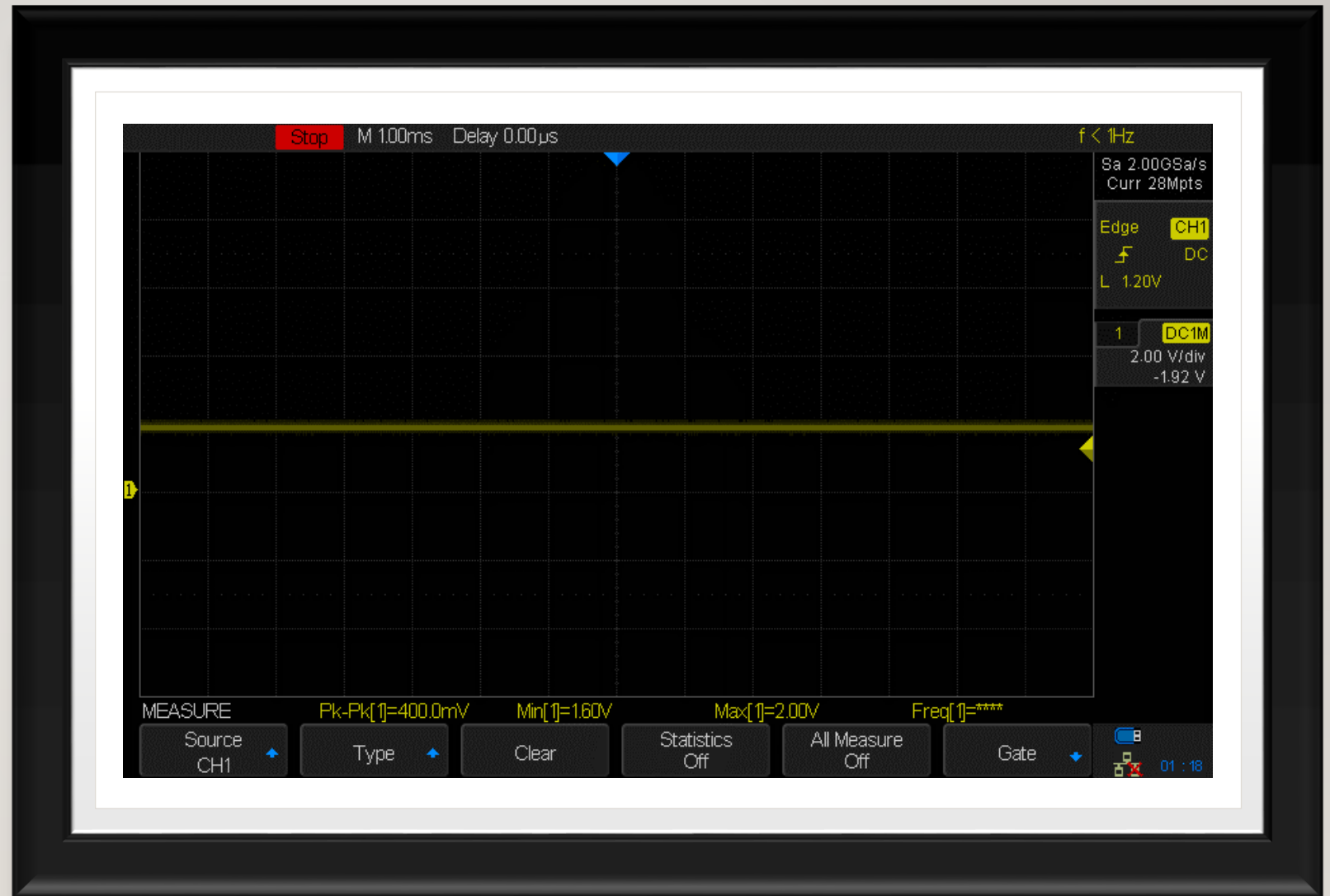
V_SBIP8



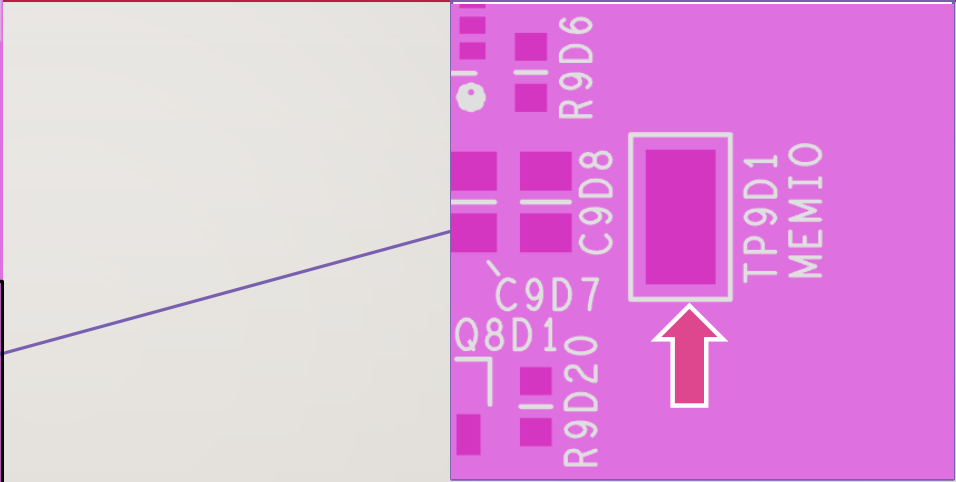
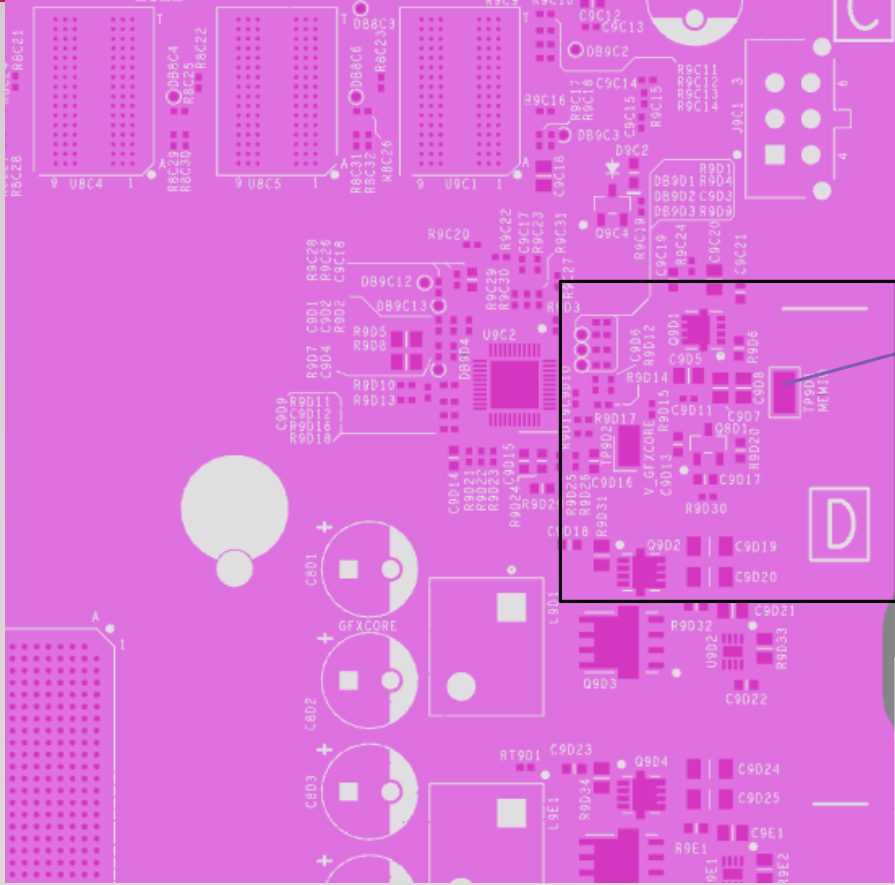
Components :
FT6T20 or DB6T1

Impedance	Voltage
394Ω	2V

V_SBIP8



V_MEMIO



Components :

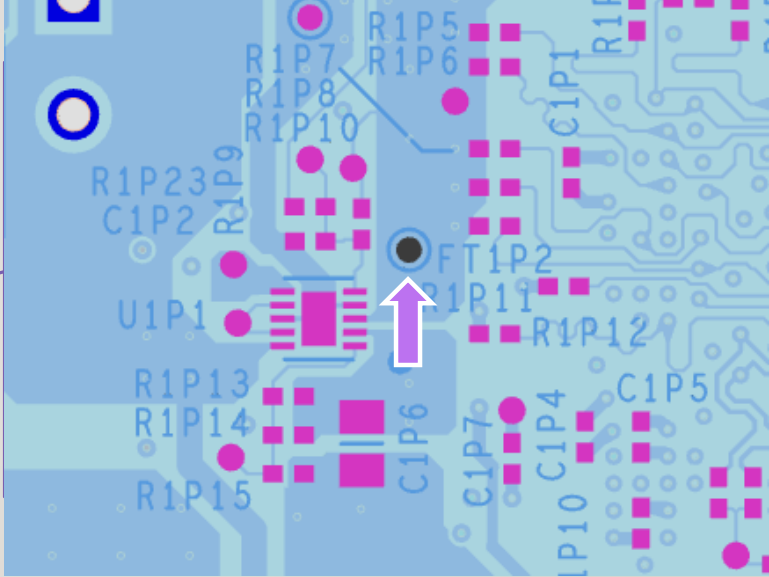
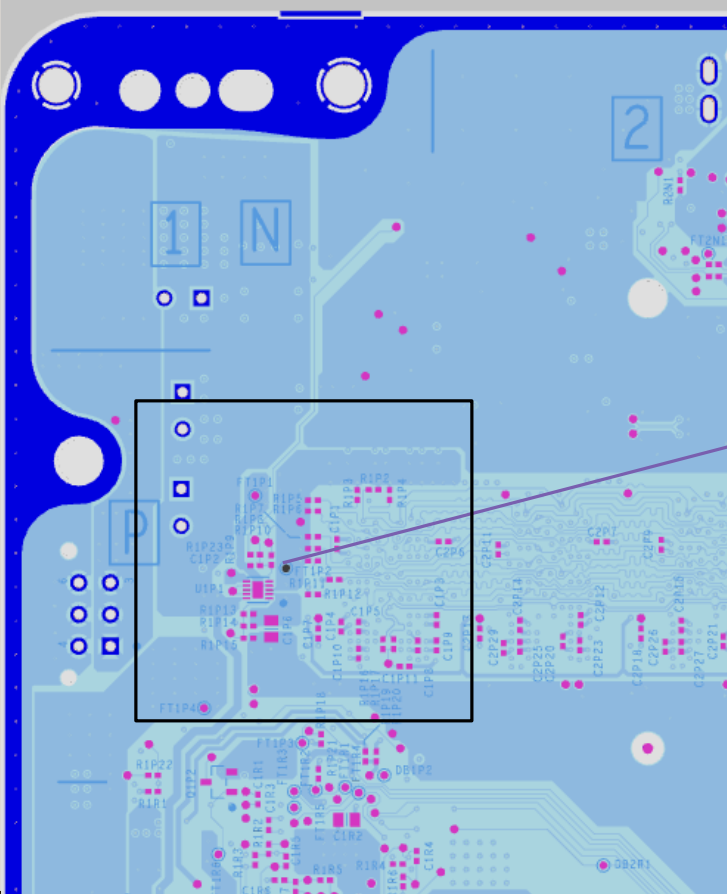
TP9D1

Impedance	Voltage
56Ω	1.92V

V_MEMIO



V_VTT

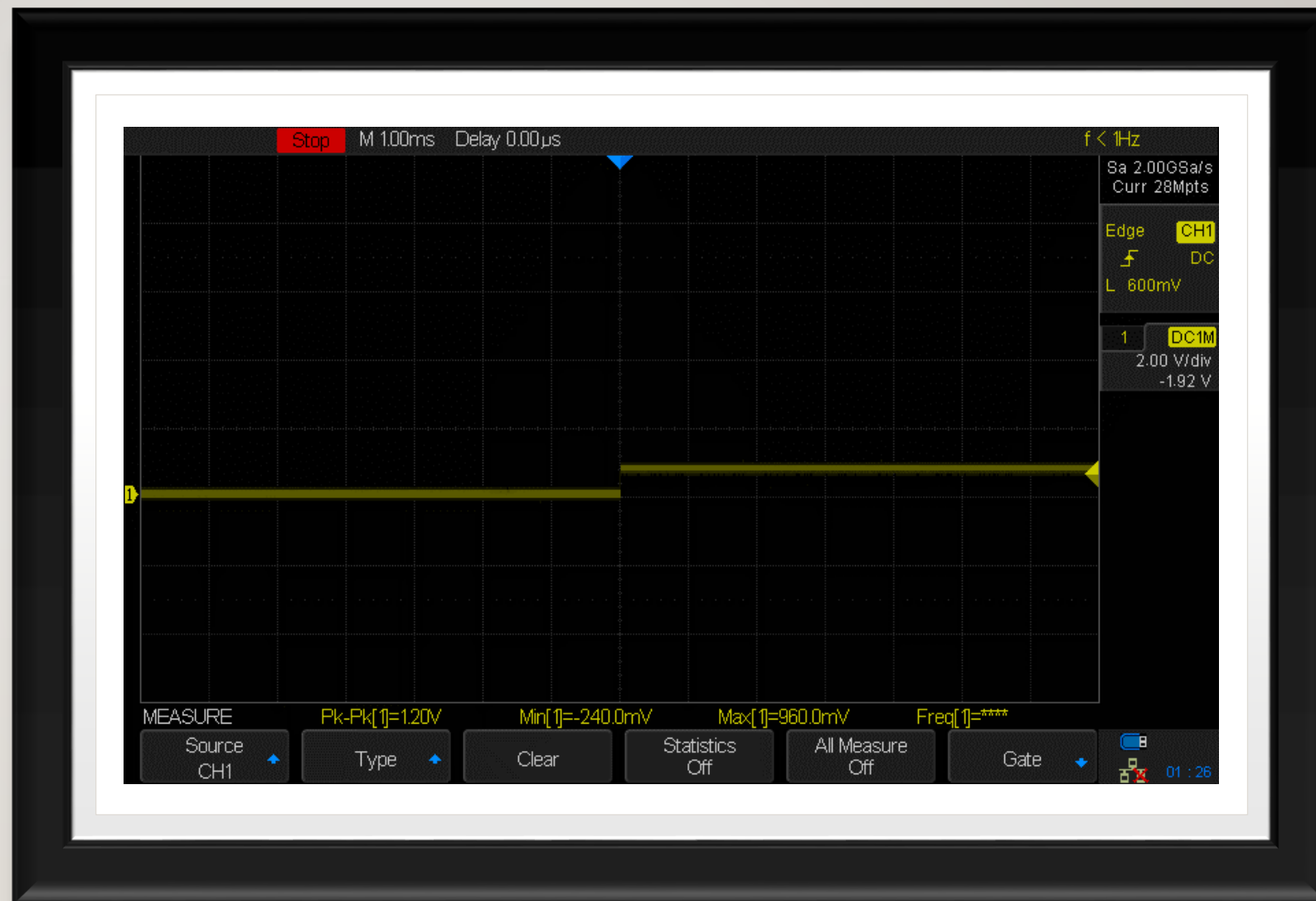


Components :

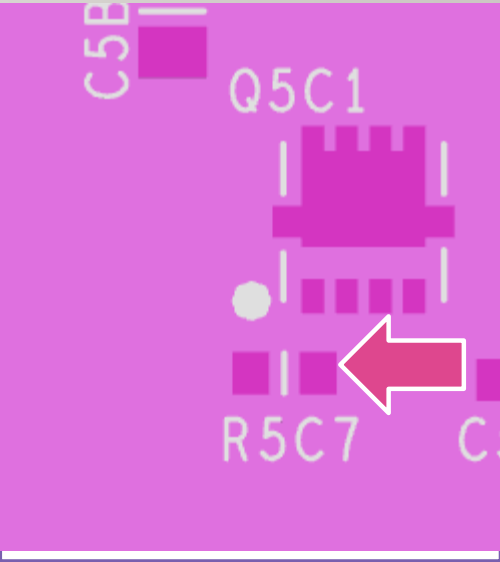
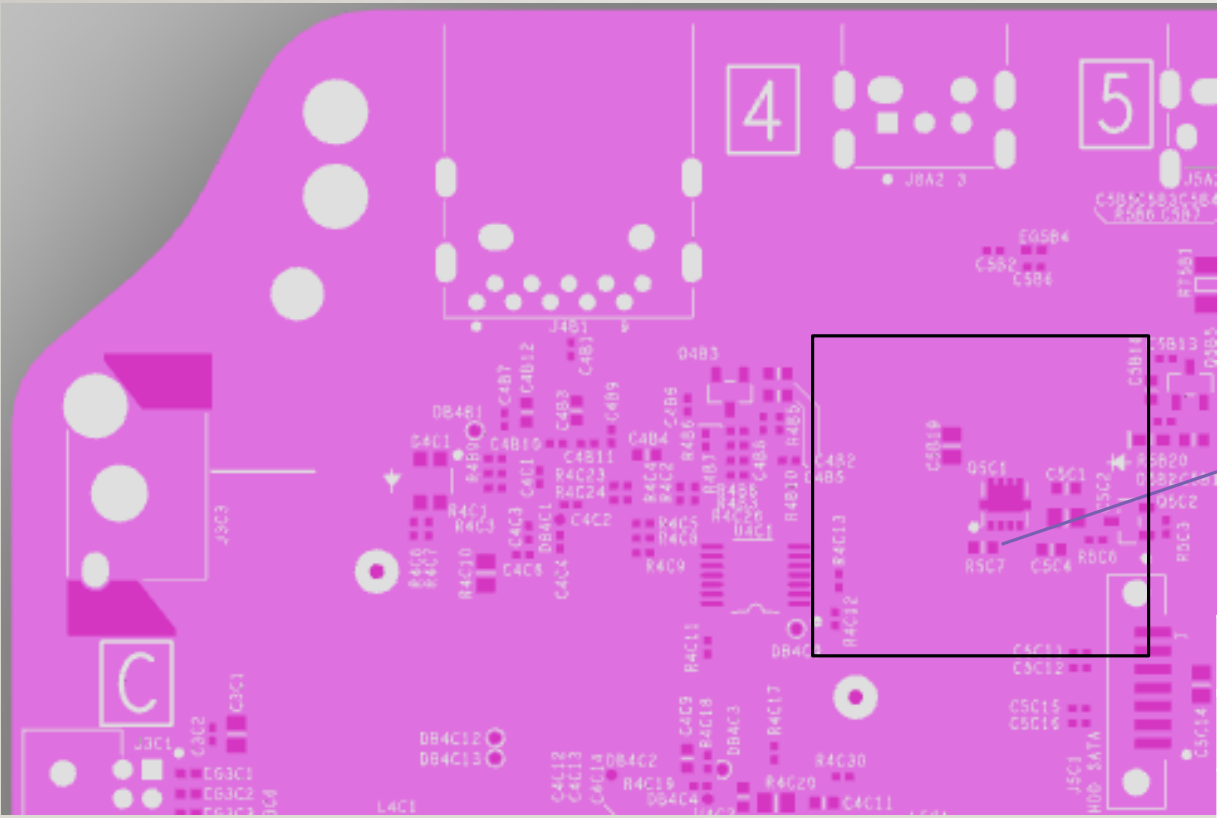
FTIP2 or DB9C2

Impedance	Voltage
15.8KΩ	1.20V

V_VTT



V_I2P0_ODD

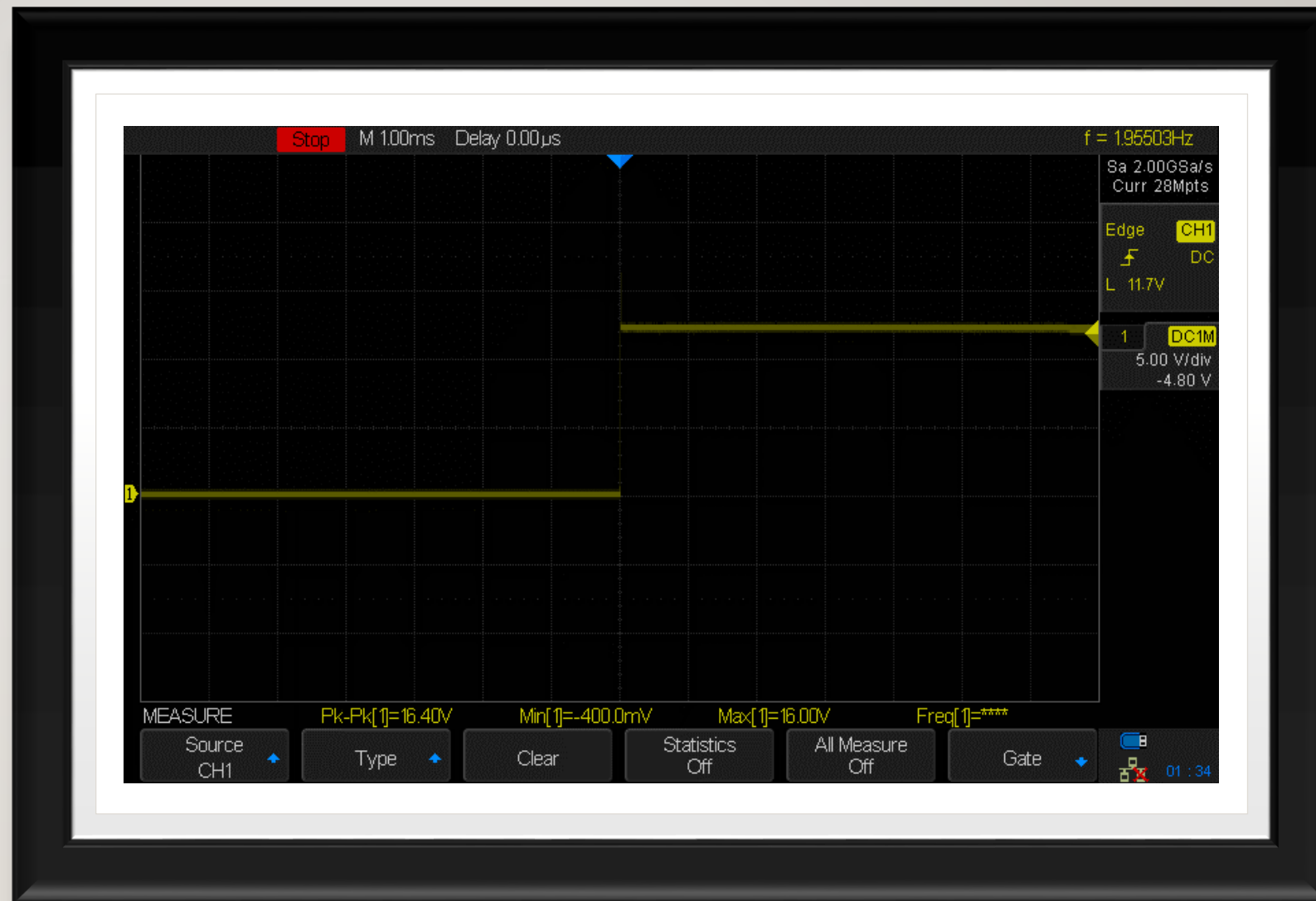


Components :

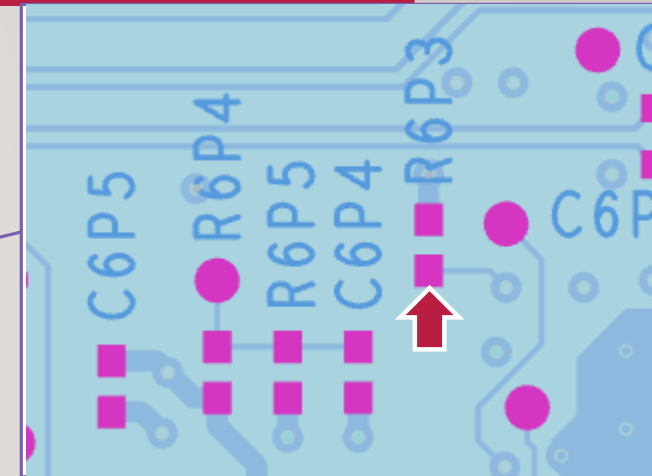
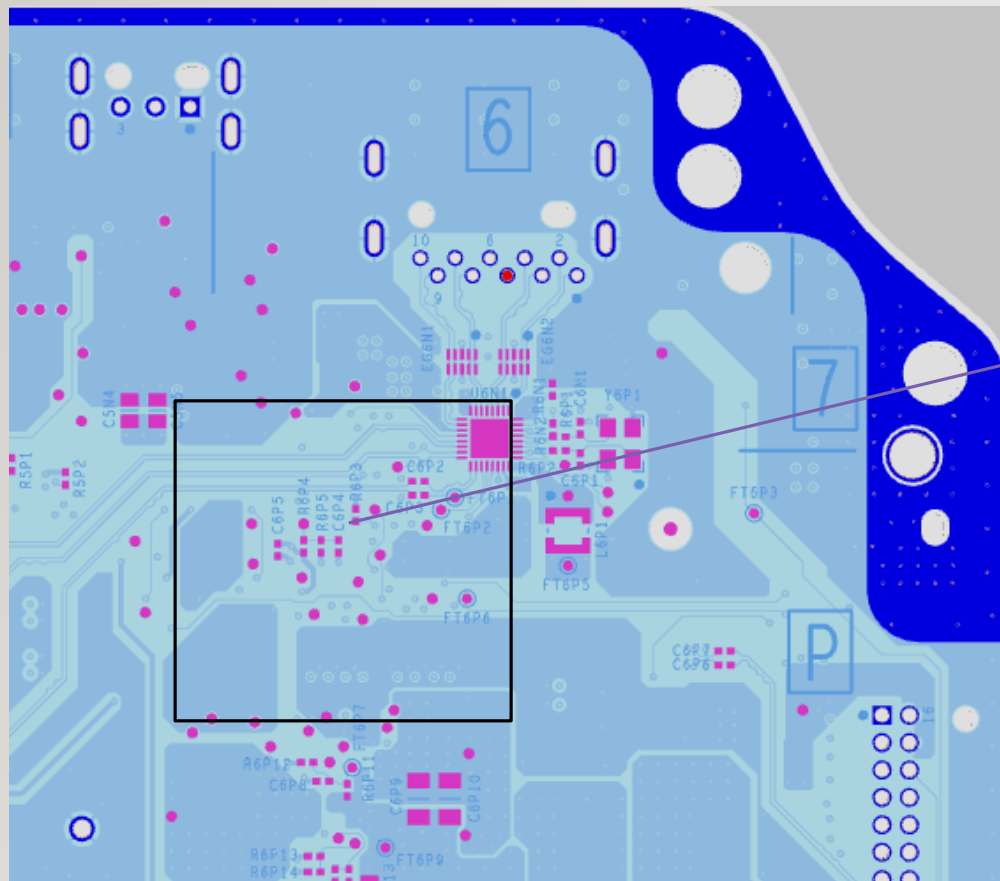
R5C7.2

Impedance	Voltage
26KΩ	12V

V_I2P0_ODD



HDD_PWR_EN



Components :

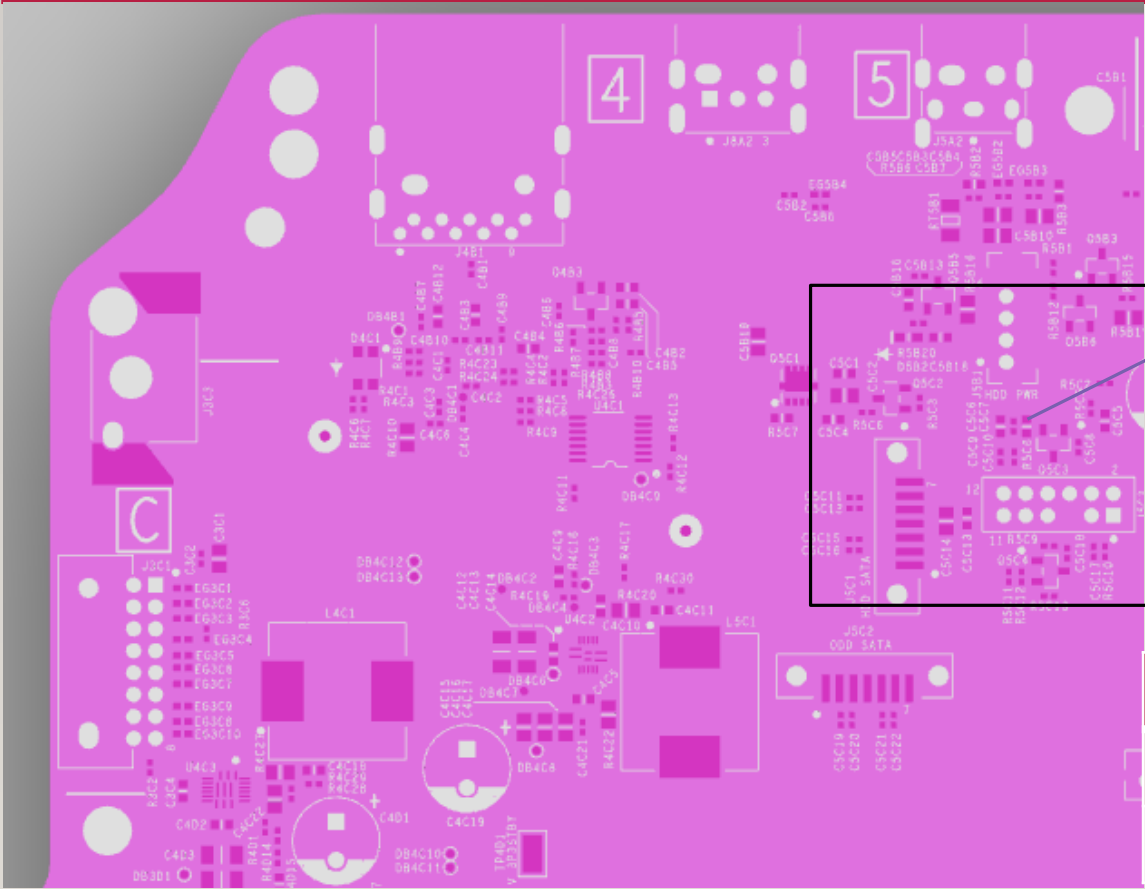
R6P3.I

Impedance	Voltage
4.3K Ω	3.8V

HDD_PWR_EN



V_5P0_HDD



Components :

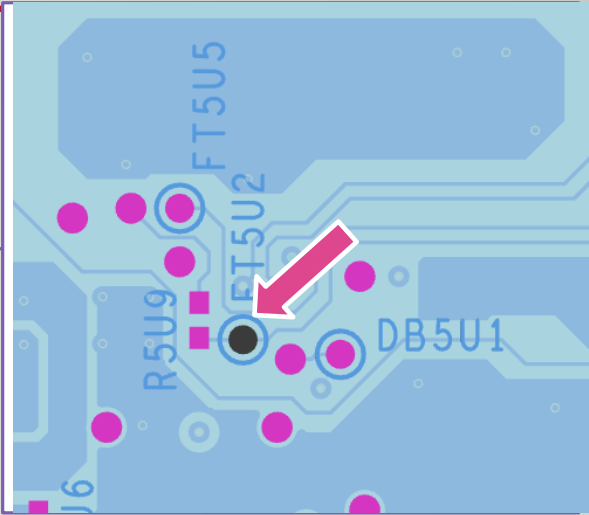
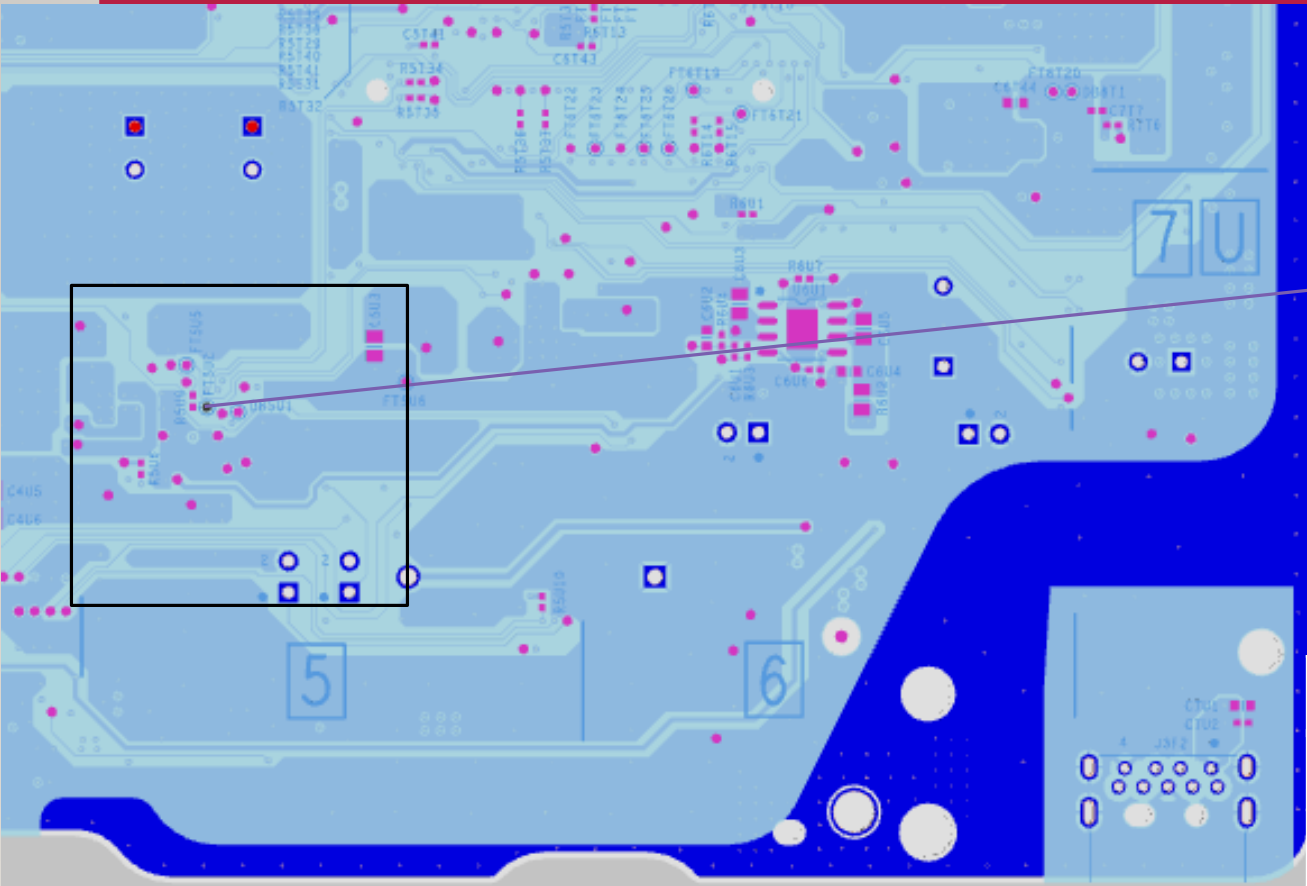
R5C8.2

Impedance	Voltage
54KΩ	5V

V_5P0_HDD



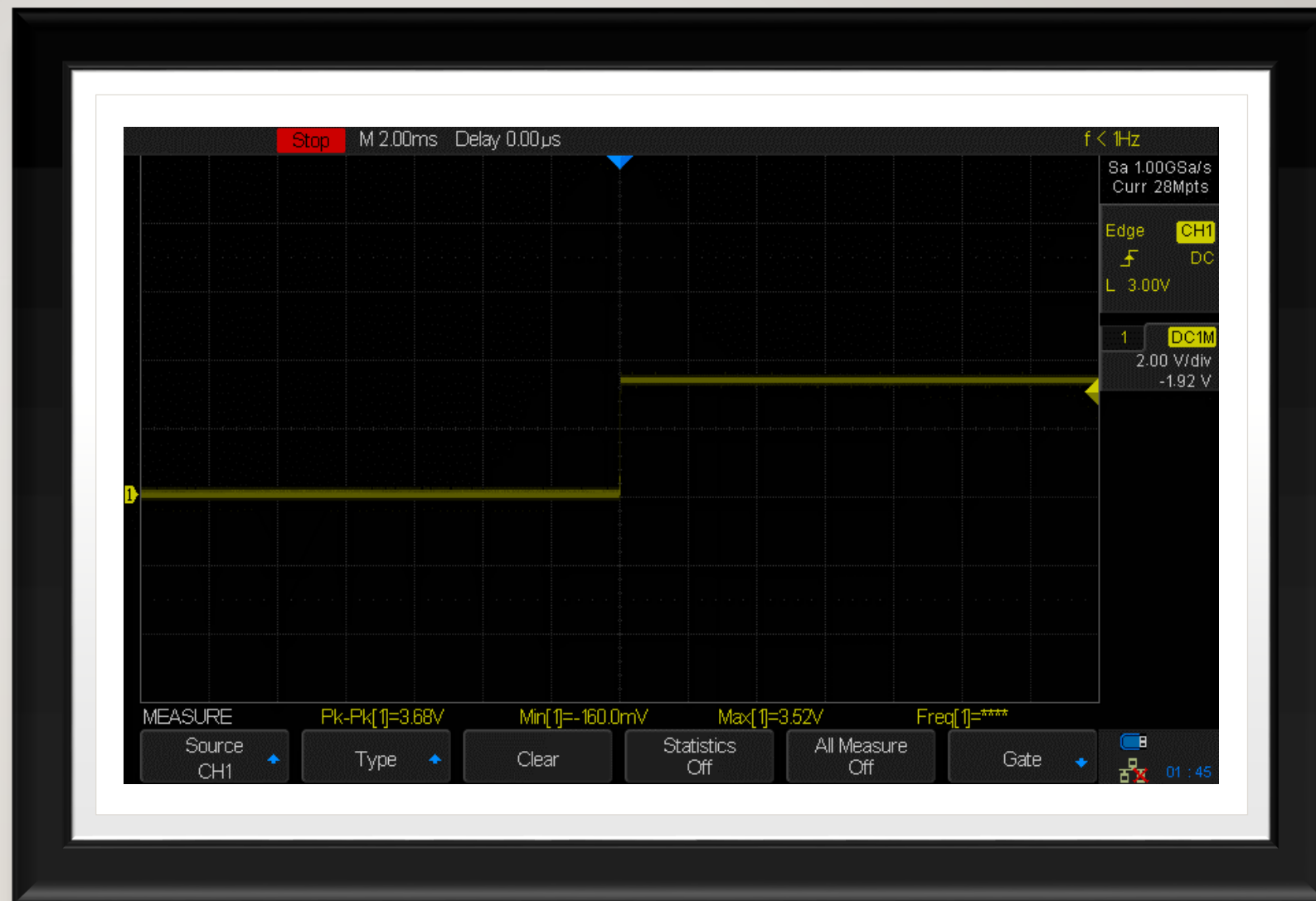
VREG_PWRGPB_EN



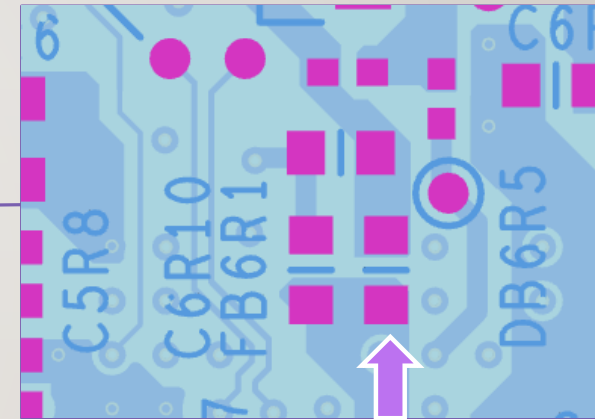
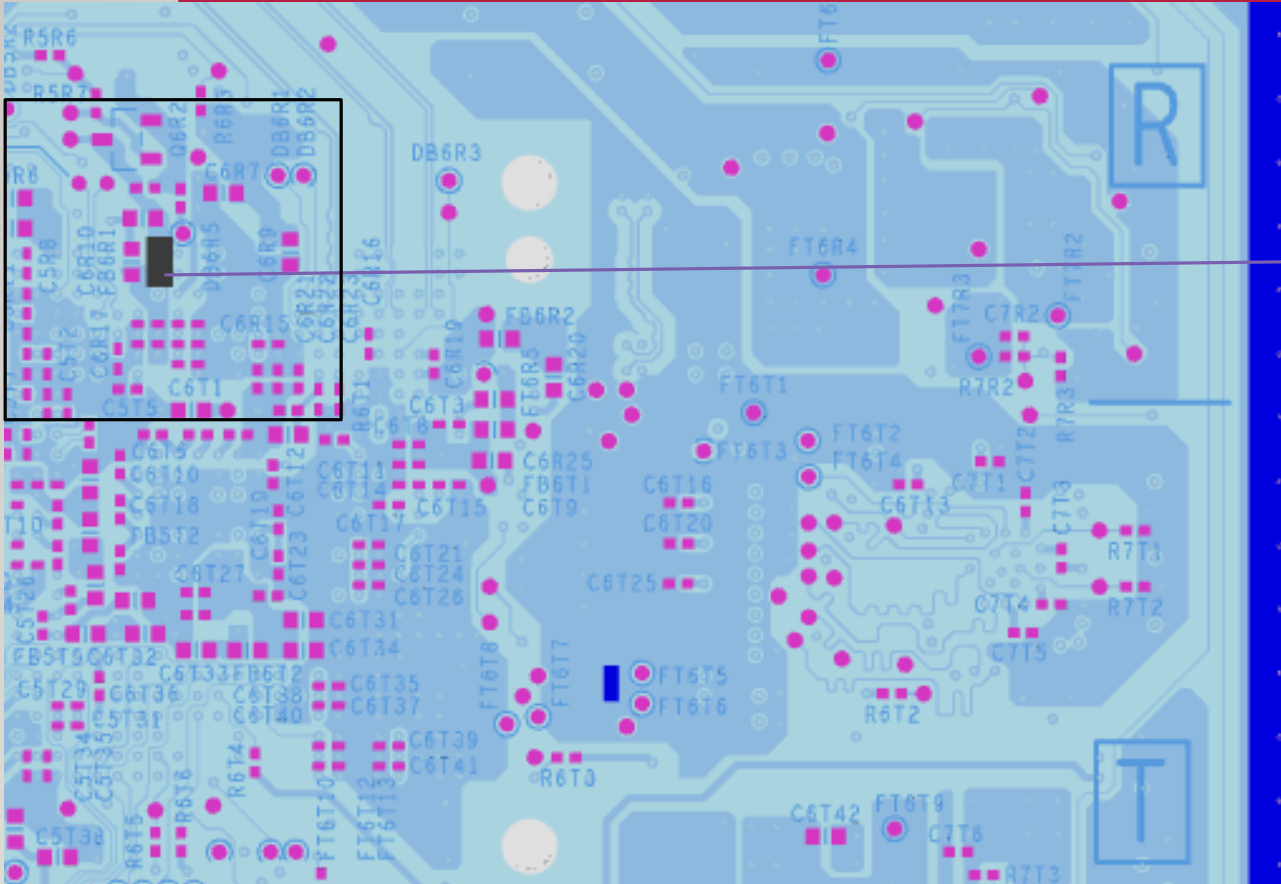
Components :

FT5U2	
Impedance	Voltage
4KΩ	3.8V

VREG_PWRGPB_EN



V_KIC3P3HDMI

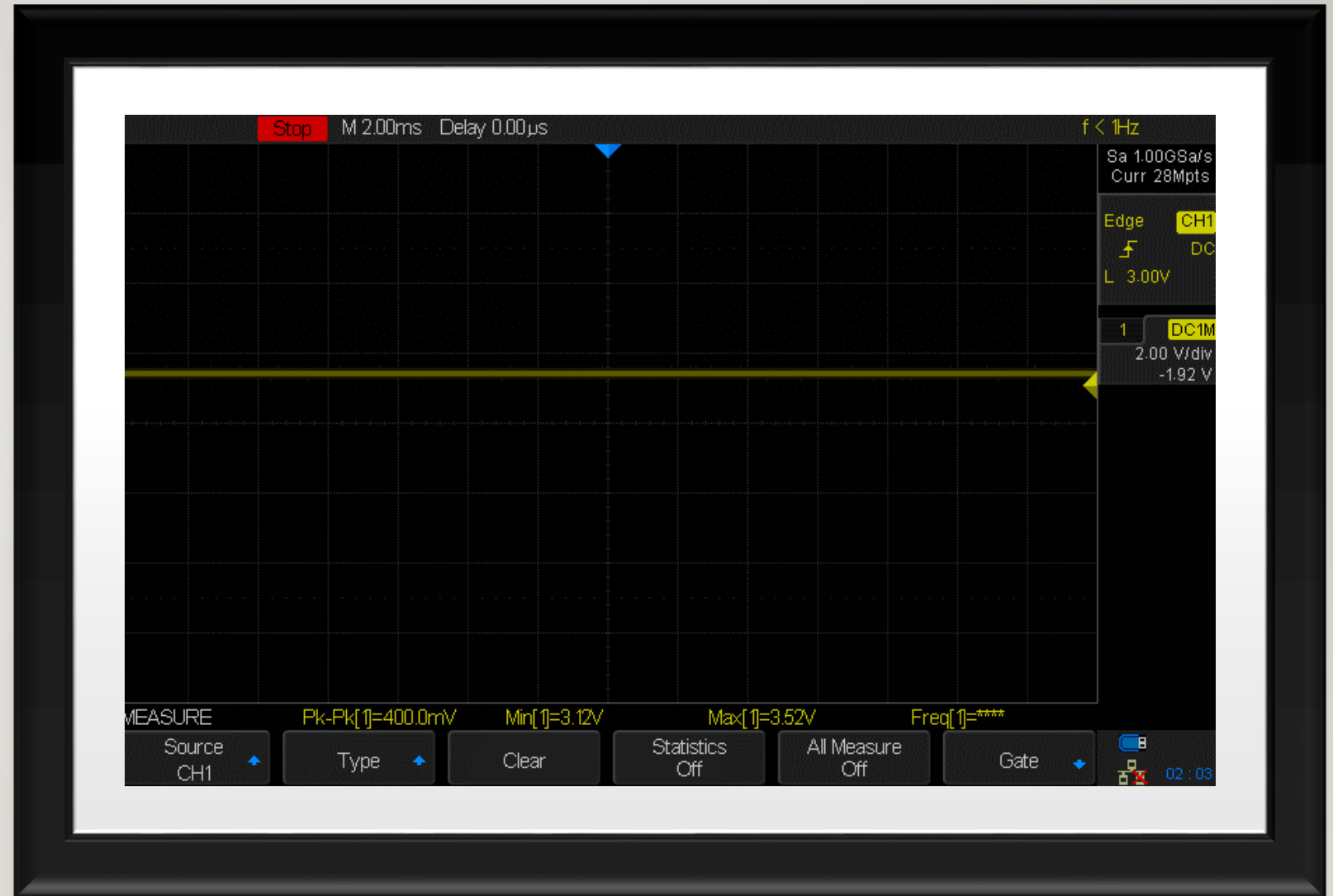


Components :

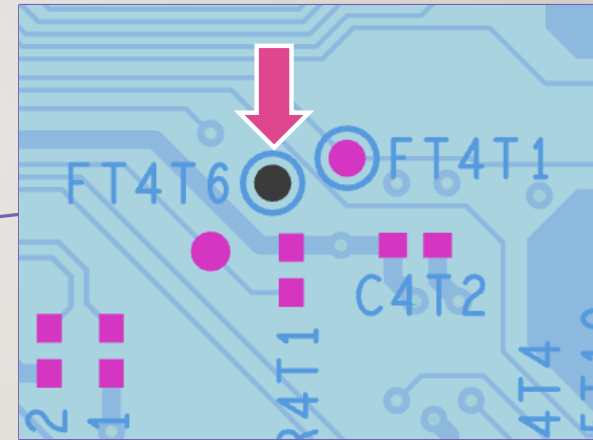
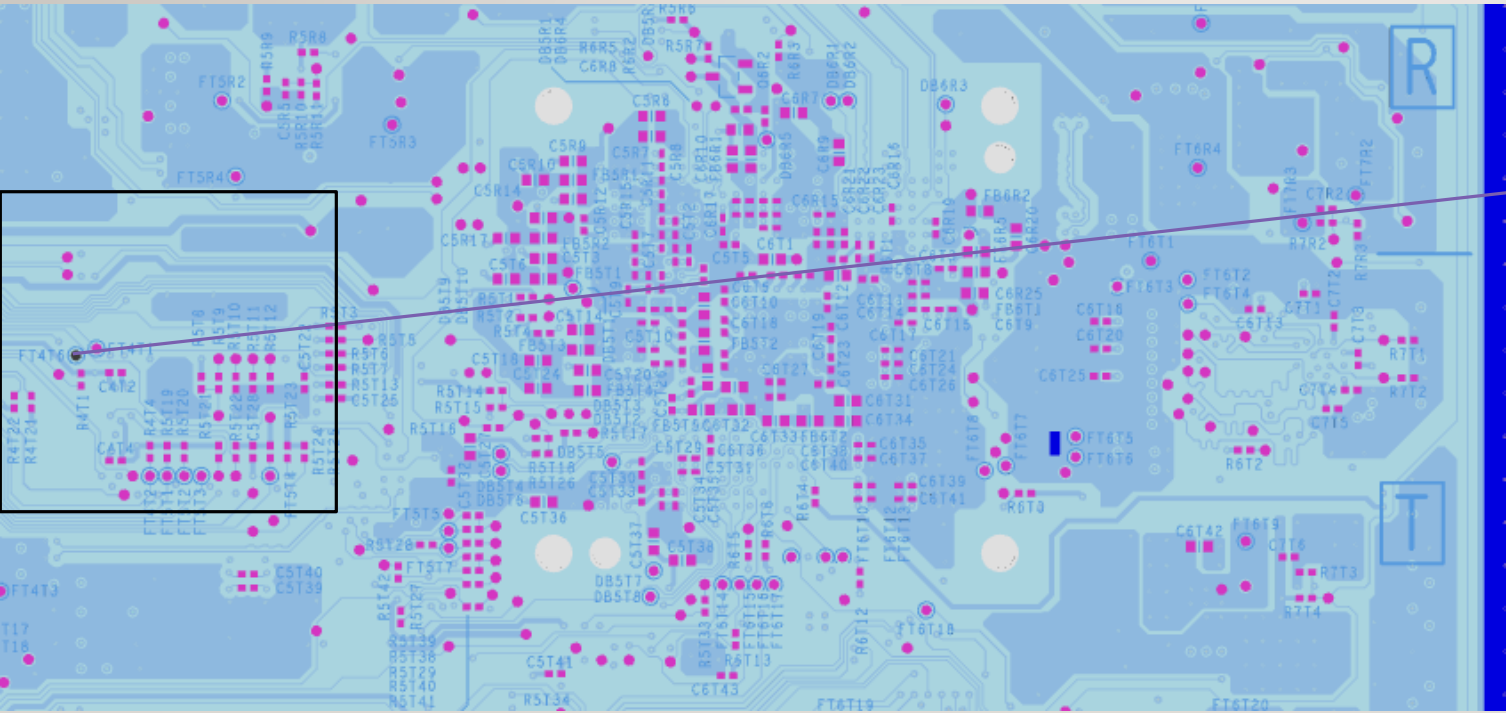
FB6R1.I

Impedance	Voltage
28K Ω	3.12V

V_KIC3P3HDMI



V_SOCPHY

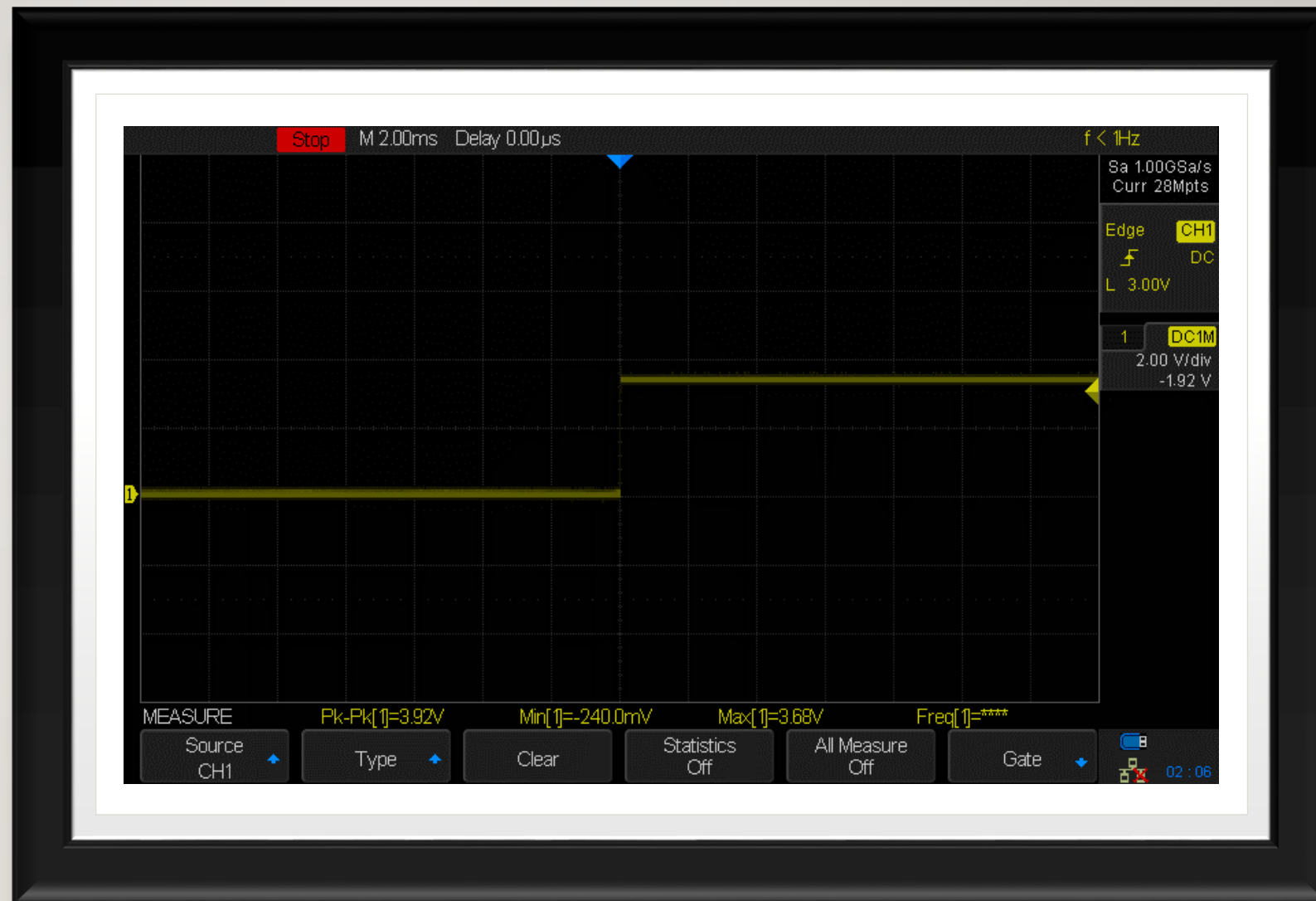


Components :

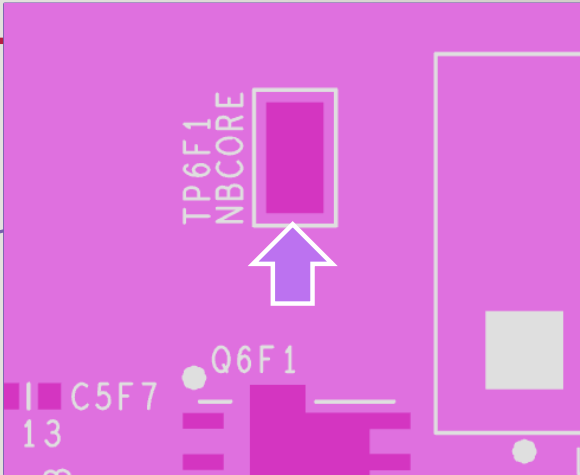
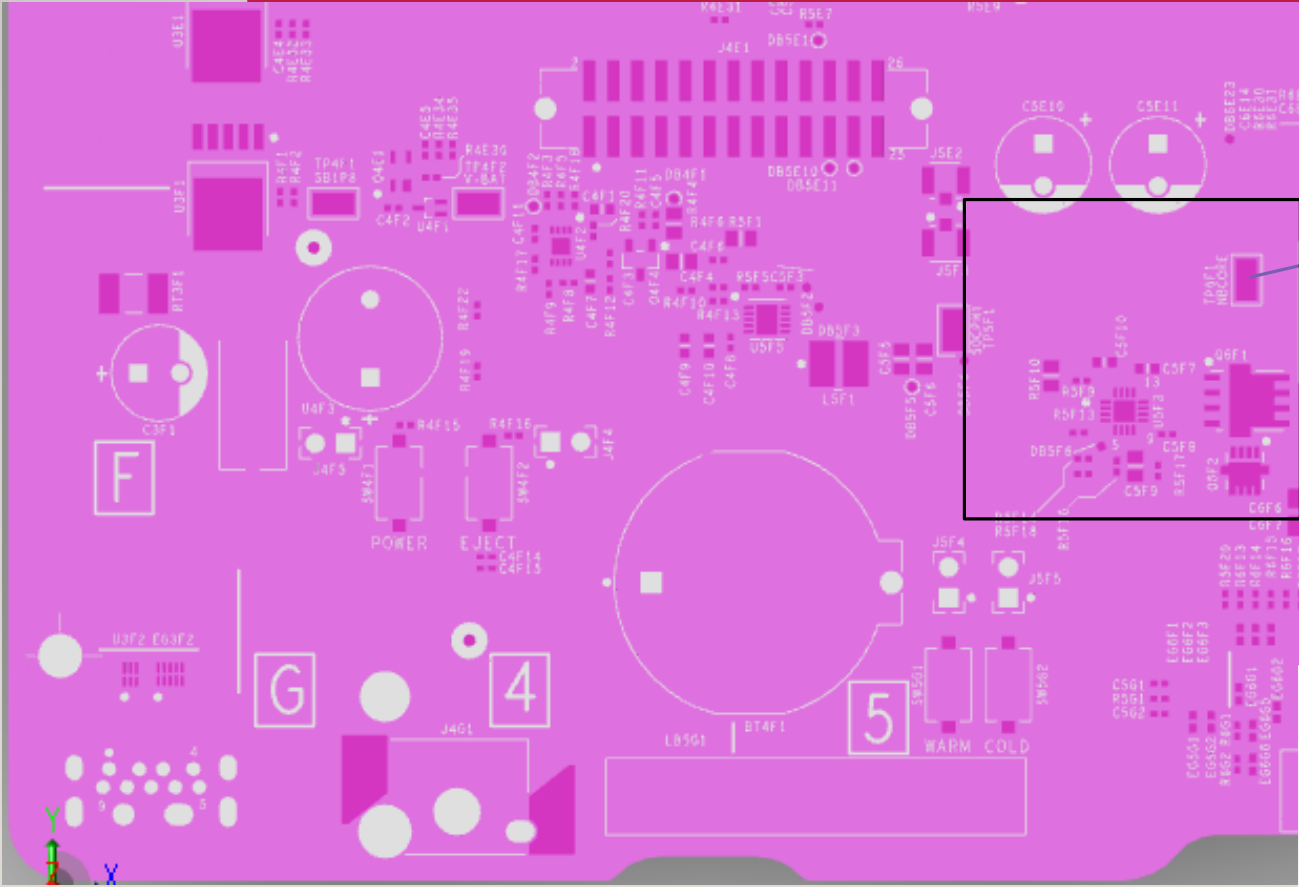
FT4T6 or DB5F4

Impedance	Voltage
79Ω	3.8V

V_SOCPHY



V_NBCORE



Components :

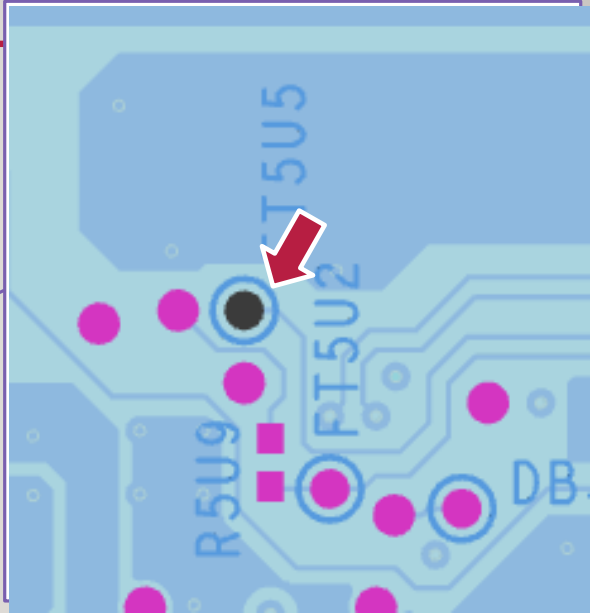
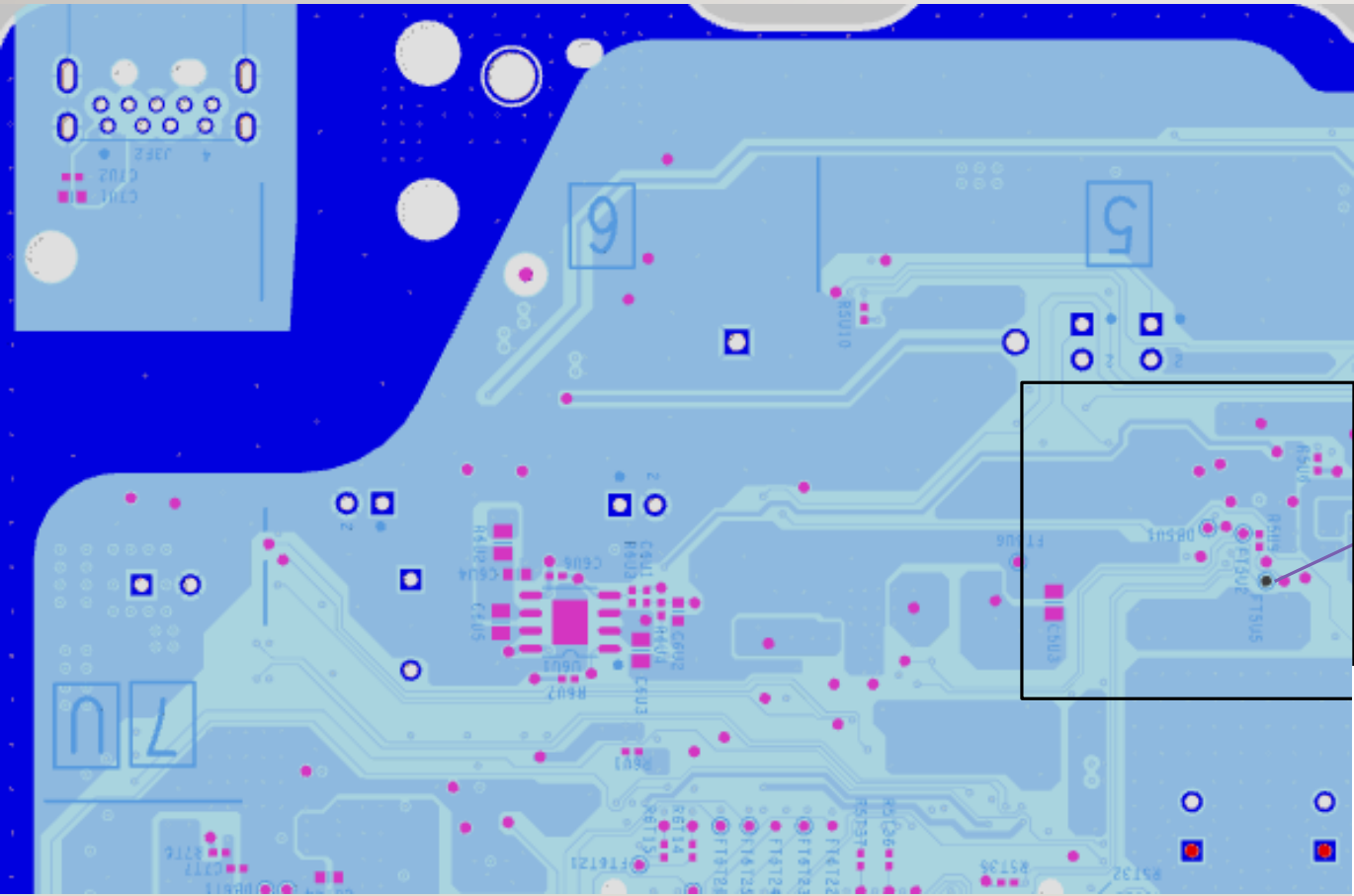
TP6F1

Impedance	Voltage
2.5Ω	1.20V

V_NBCORE



VREG_PWRGPB_PWRGD



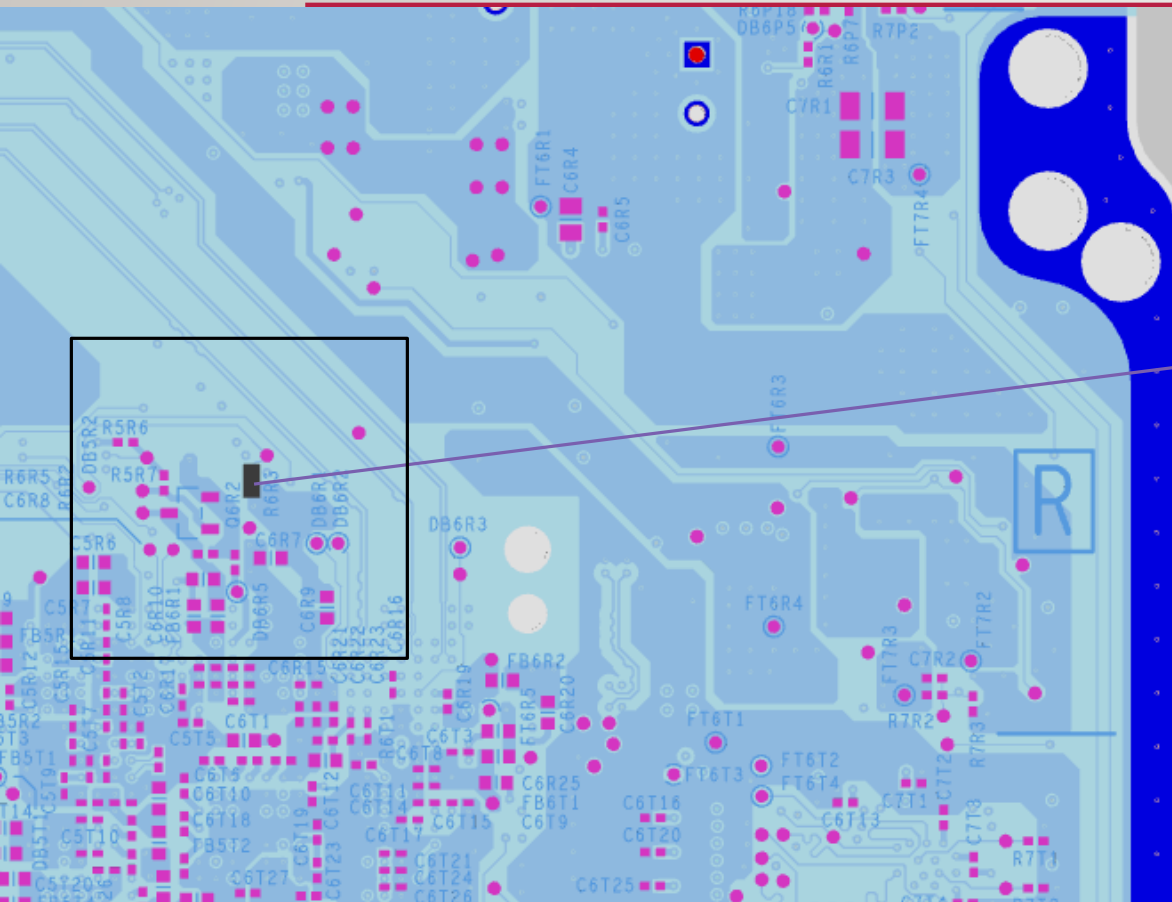
Components :
FT5U5

Impedance	Voltage
28KΩ	5V

VREG_PWRGPB_PWRGD



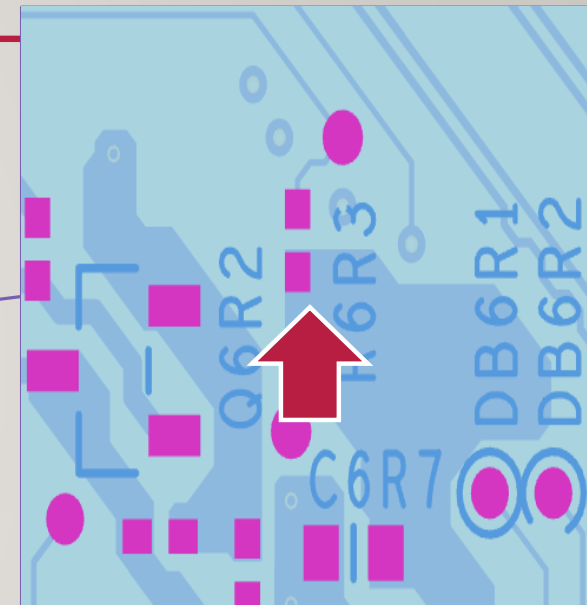
VREG_PWRGPC_EN



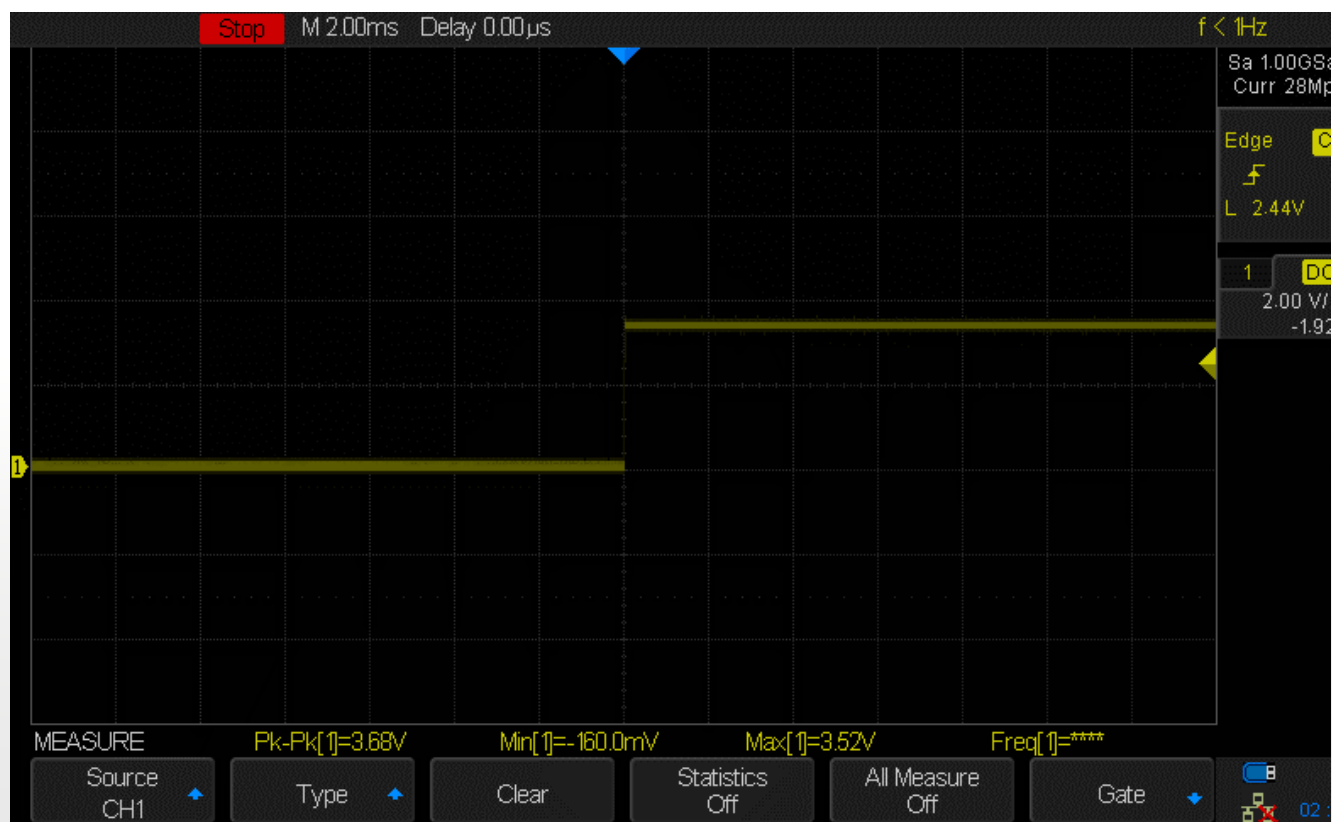
Components :

R6R3.1

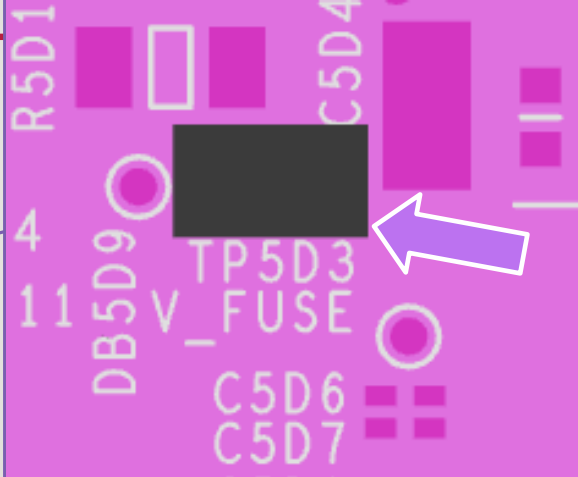
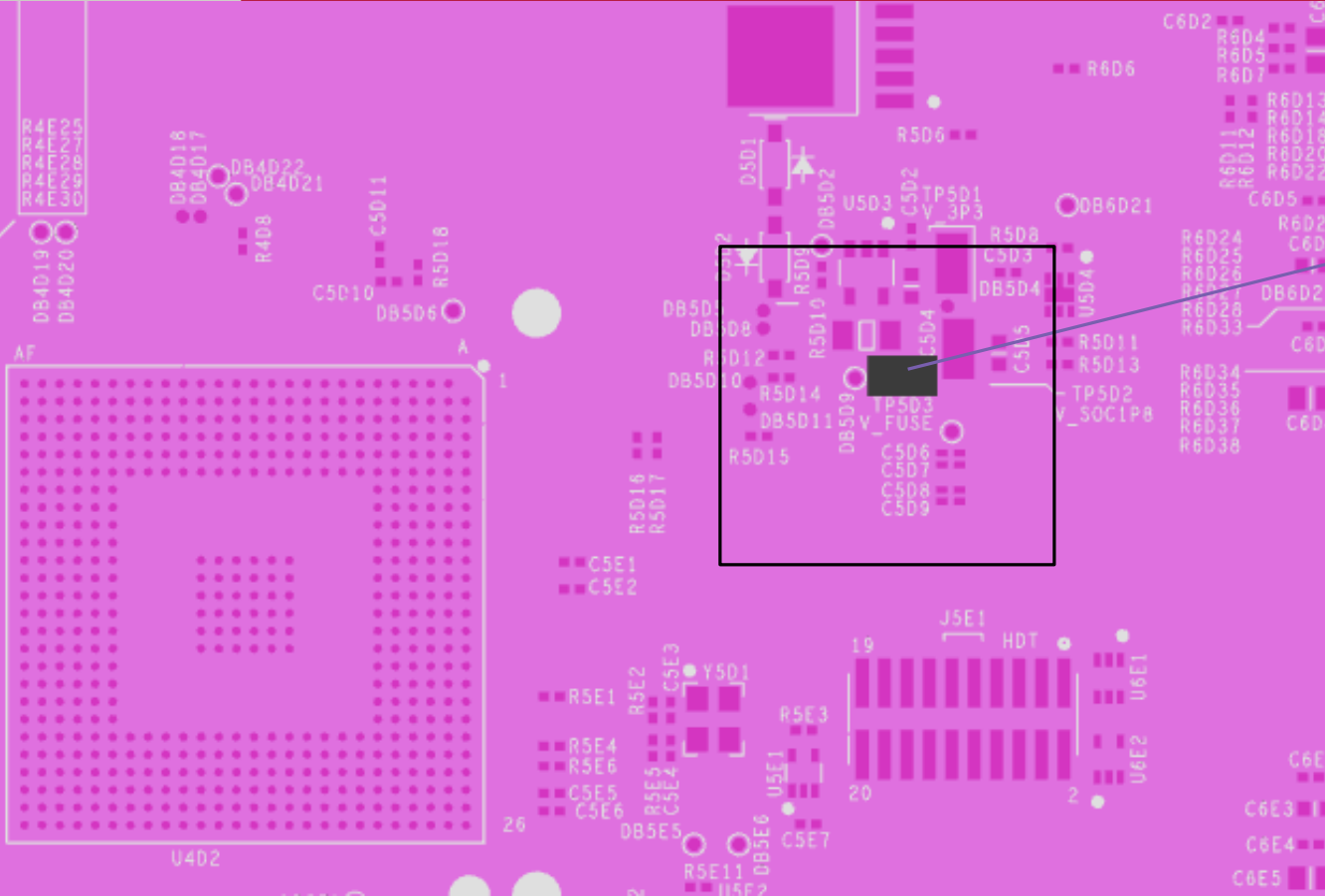
Impedance	Voltage
4.12K Ω	3.8V



VREG_PWRGPC_EN



V_FUSE

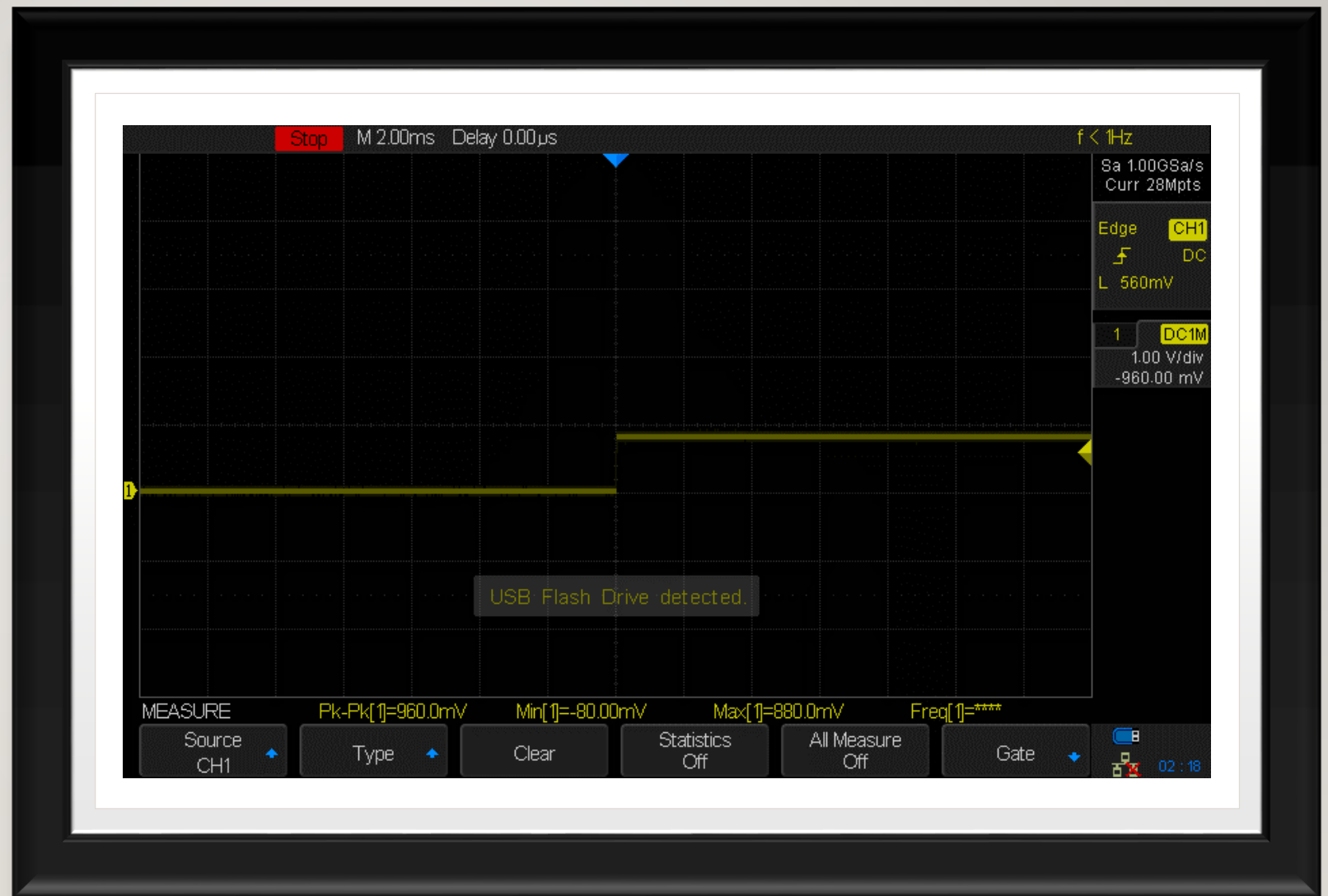


Components :

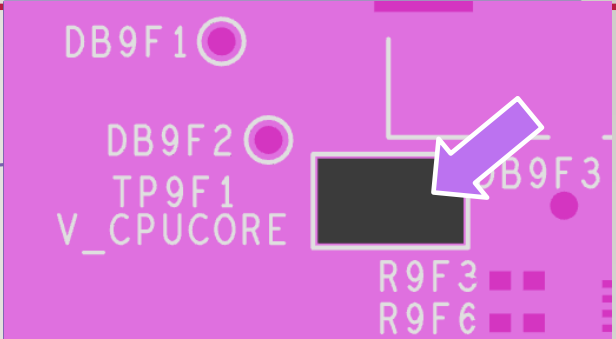
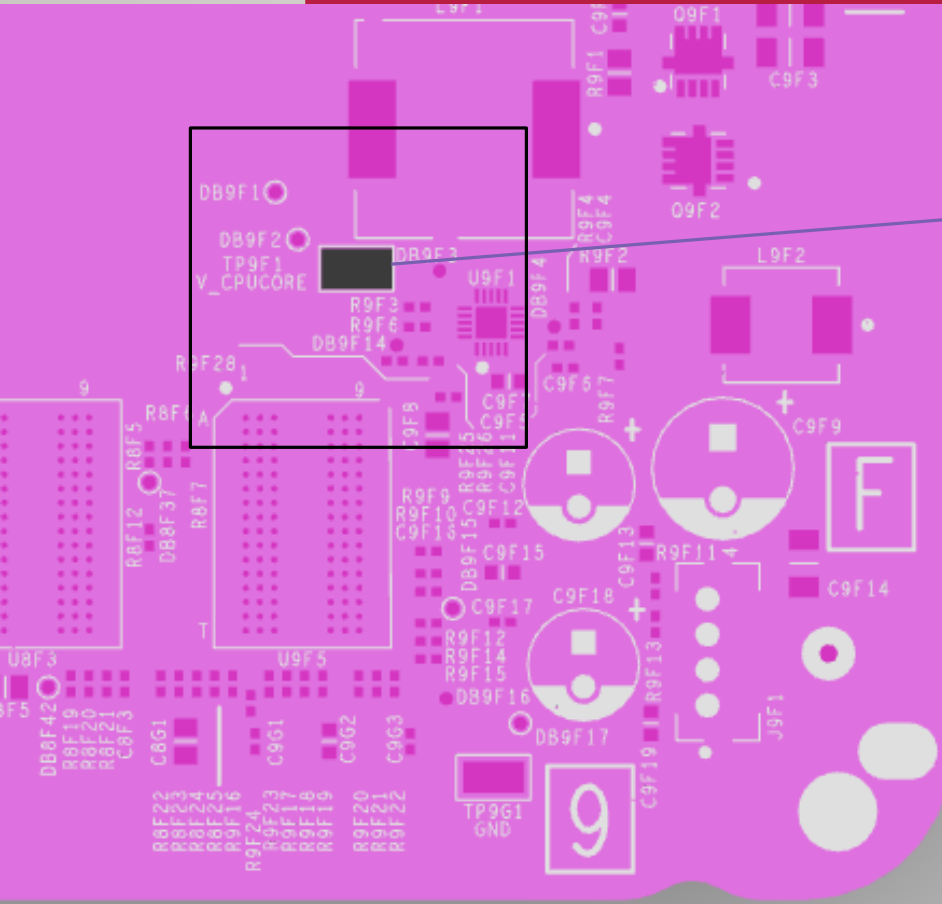
TP5D3

Impedance	Voltage
3.4KΩ	960mV

V_FUSE



V_CPUCORE



Components :

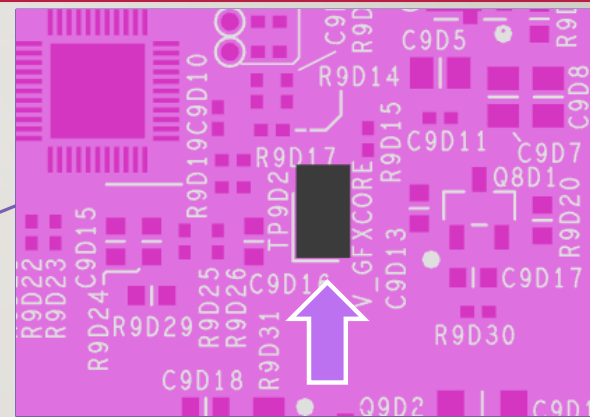
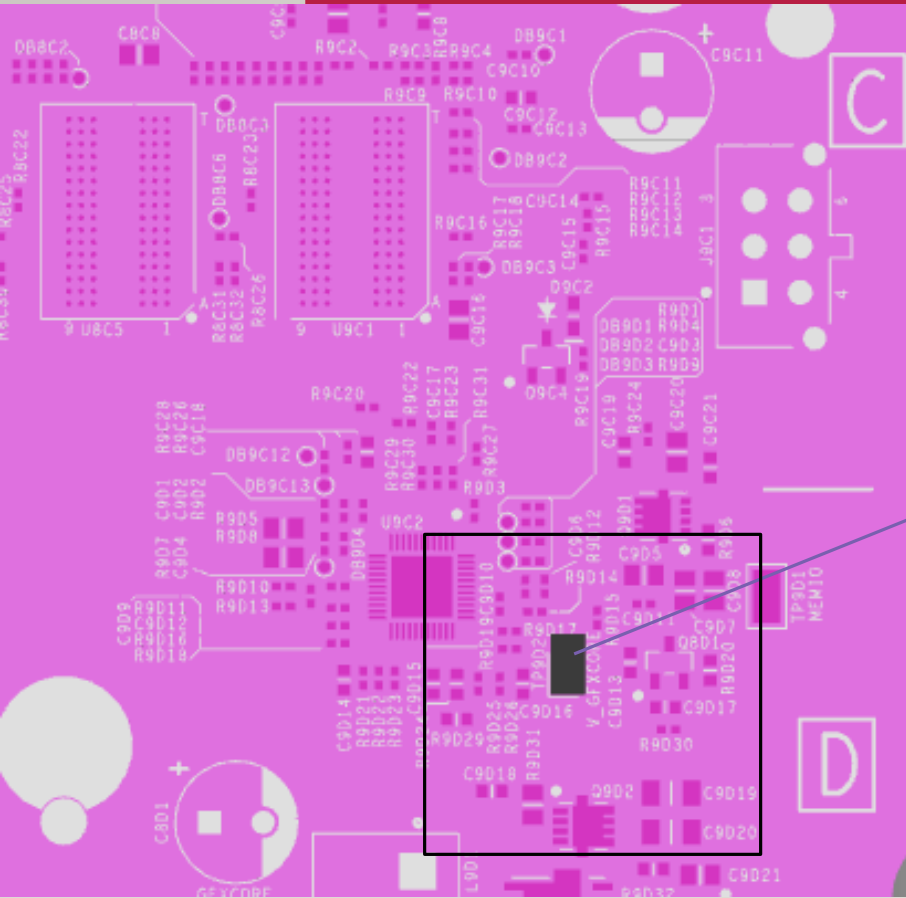
TP9F1

Impedance	Voltage
1.3Ω	IV

V_CPUCORE



V_GFXCORE



Components :

TP9D2

Impedance	Voltage
0.6Ω	1.24V

V_GFXCORE

