


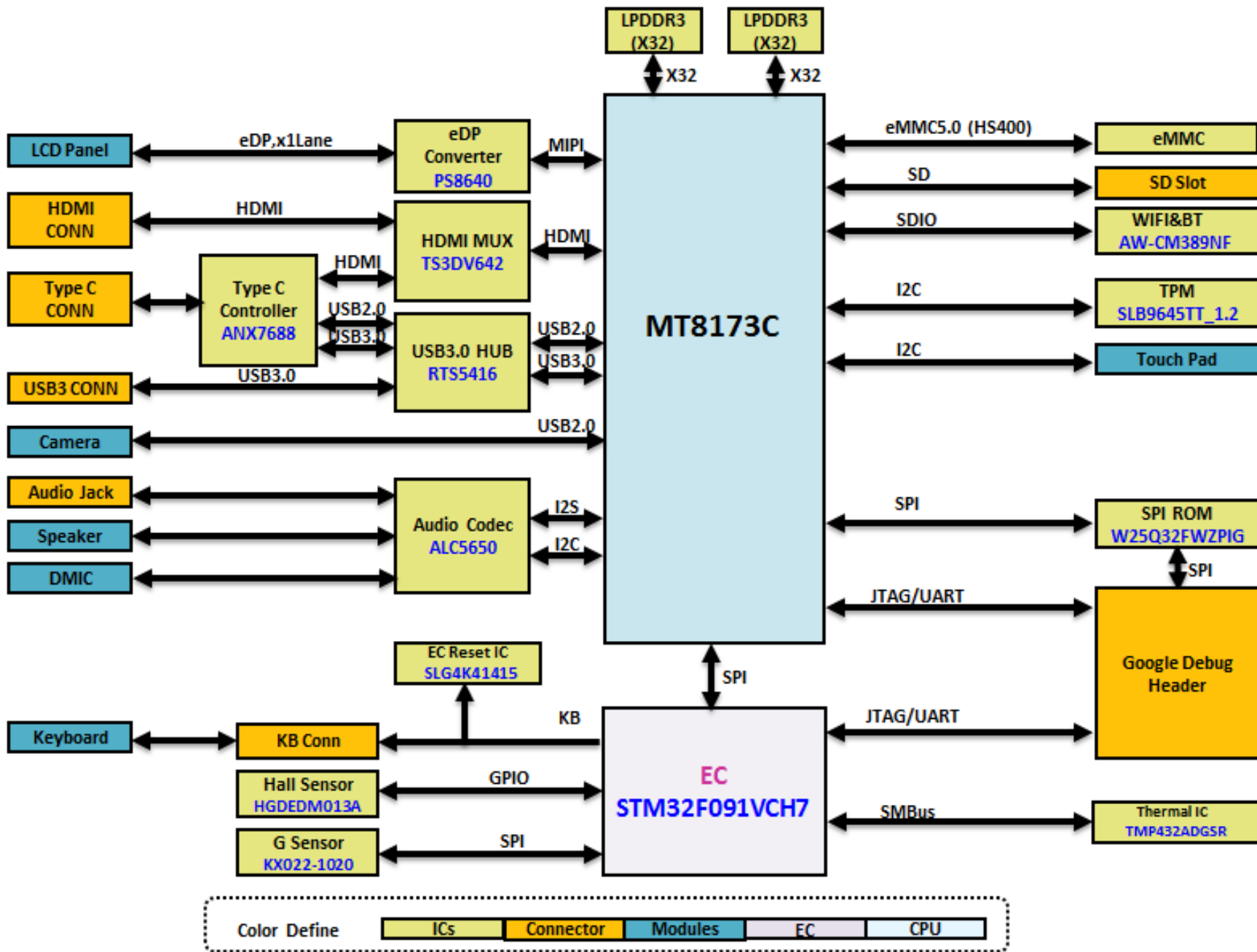
# N23-Hana Schematic---MB

based on MT8173C

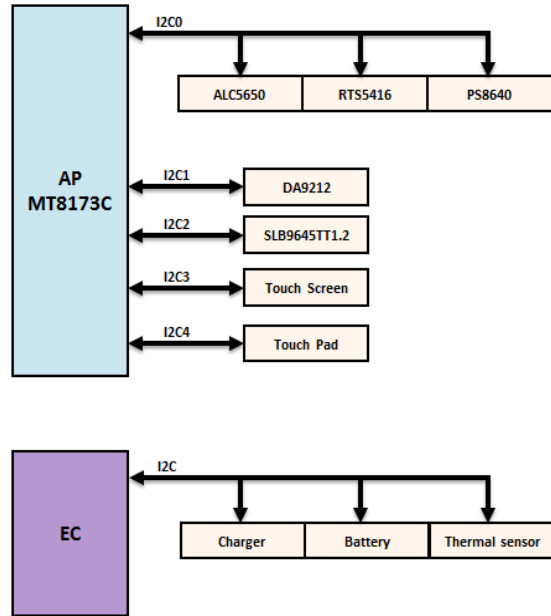
V1.3

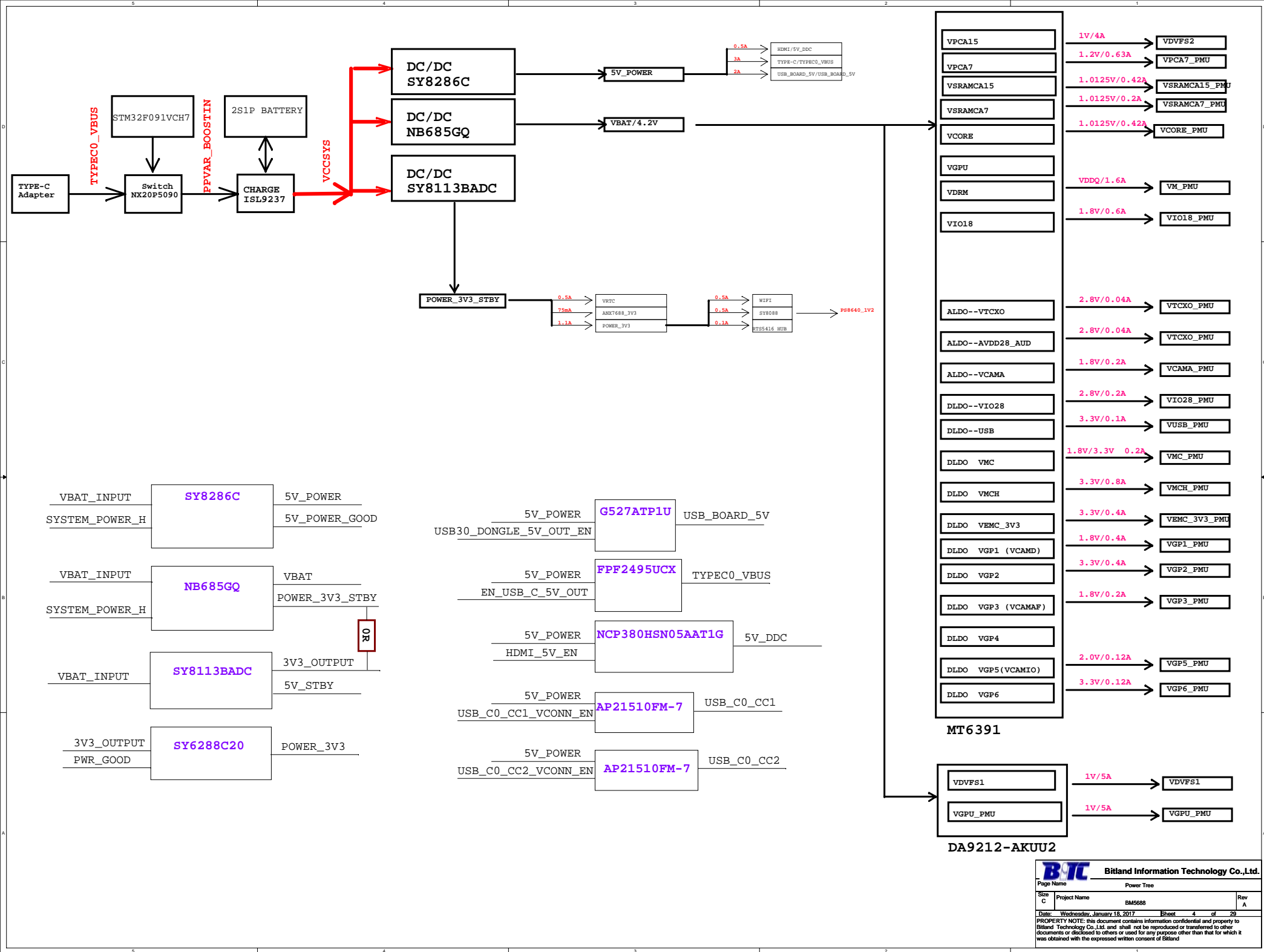
2017-1-15

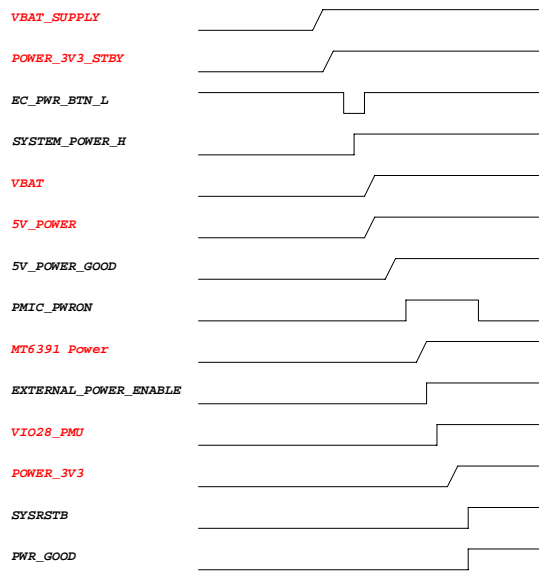
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Page Name		<Title>	
Size	Project Name	Rev	
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Date: Wednesday, January 18, 2017		Sheet 1 of 29	
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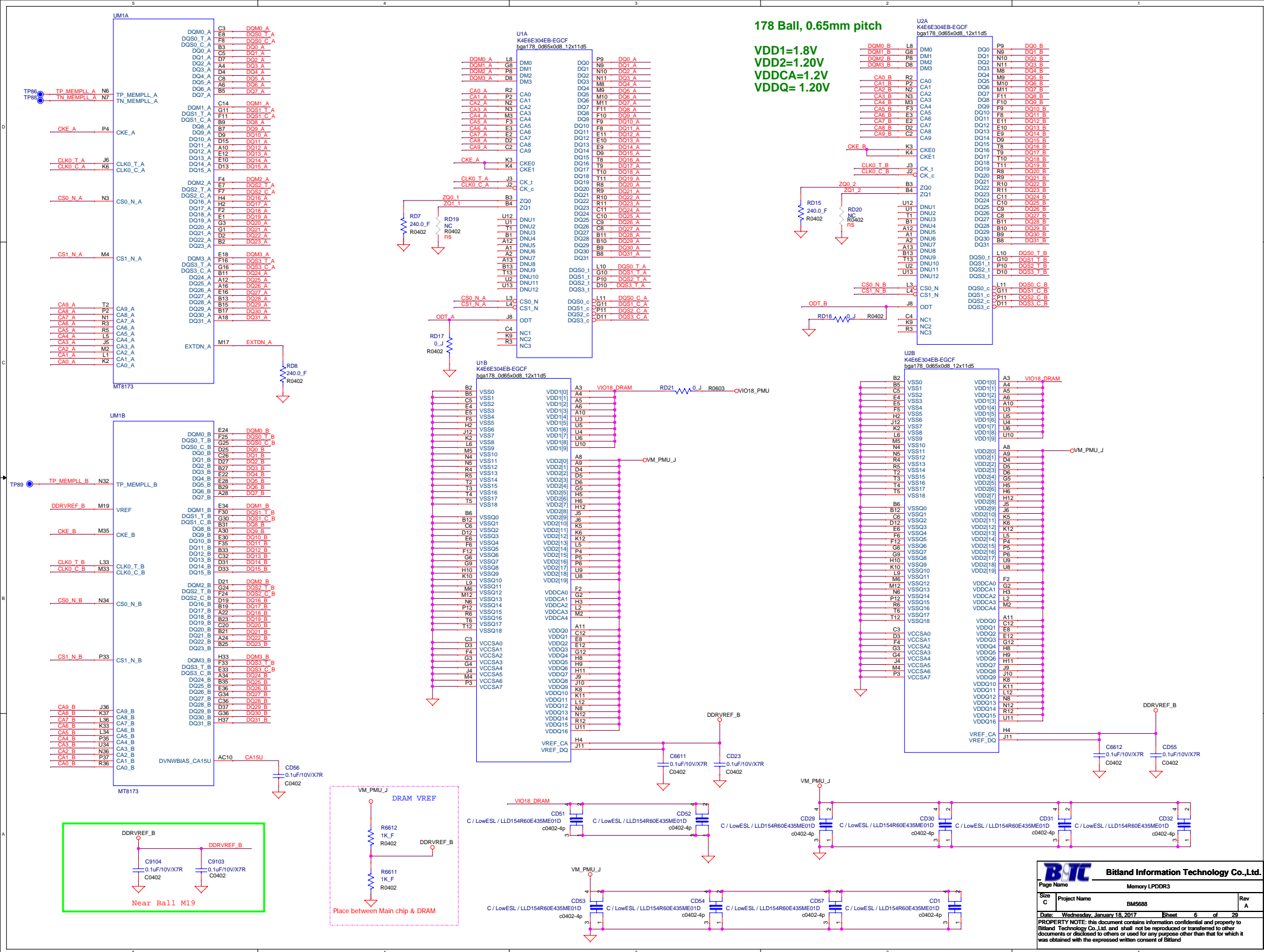


I2C Block

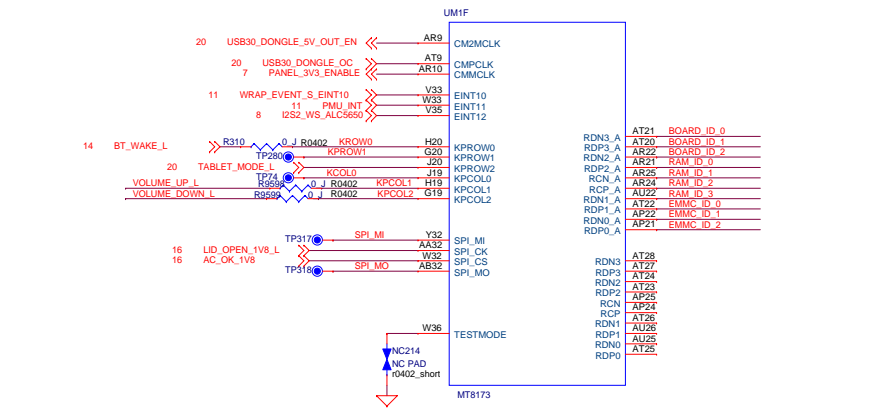






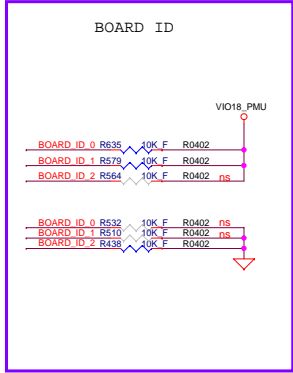
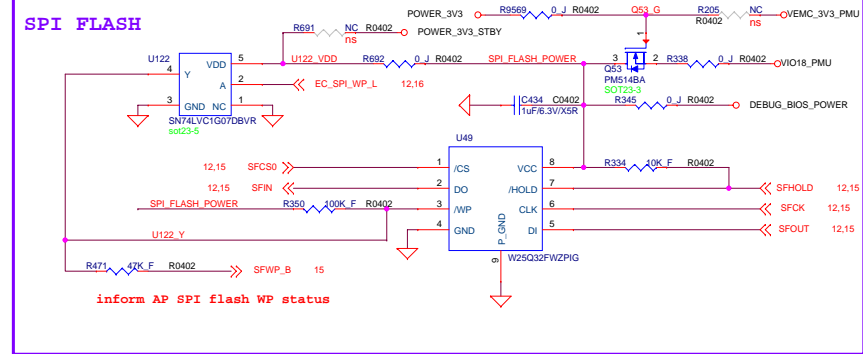
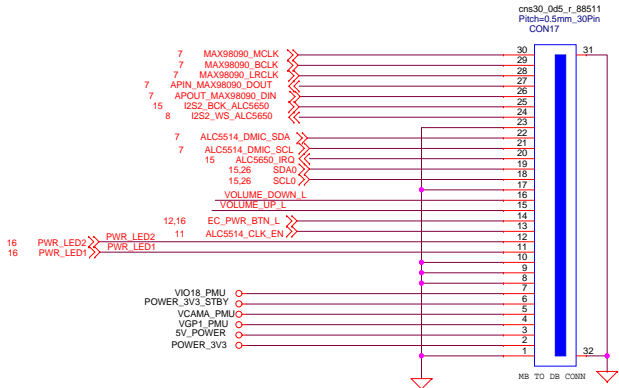




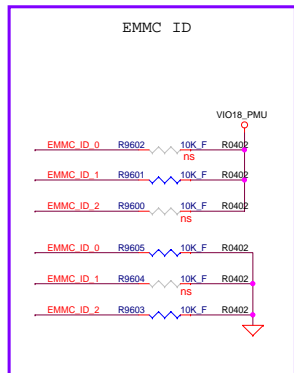
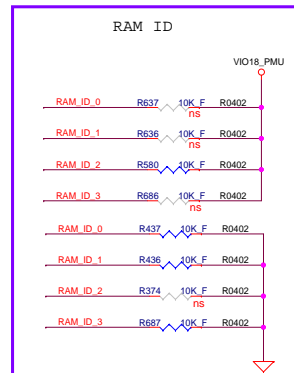


BOARD_ID_0	BOARD_ID_1	BOARD_ID_2	PCB version
0	0	0	1st Build
0	0	0	Rev. 1
0	1	0	Rev. 2
1	1	0	Rev. 3 6 Layer
0	0	1	Rev. 4 6 Layer
1	0	1	Rev. 5 6 Layer
1	1	1	Rev. 7 6 Layer

RAM_ID_0	RAM_ID_1	RAM_ID_2	RAM_ID_3	RAM Configuration
0	0	0	0	Total Size 208 -- Hynix H9C88N8U7KLAR * 2
0	1	0	0	Total Size 408 -- Samsung K4E6E304EB-BOCP * 2
1	1	0	0	Total Size 408 -- Hynix H9C88N8U7KLAR * 2
0	0	1	0	Total Size 408 -- Samsung K4E6E304EB-BOCP * 2
1	0	1	0	Total Size 208 -- Hynix H9C88N8U7KLAR * 2
0	1	1	0	Total Size 408 -- Micron MT52L512M3J2D2FP-107WF:B * 2
1	1	1	0	Total Size 408 -- Hynix H9C88N8U7KLAR * 2
0	0	0	1	Total Size 208 -- Micron MT52L56M3J2D1FP-107 * 2

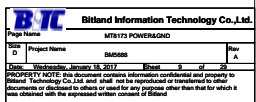
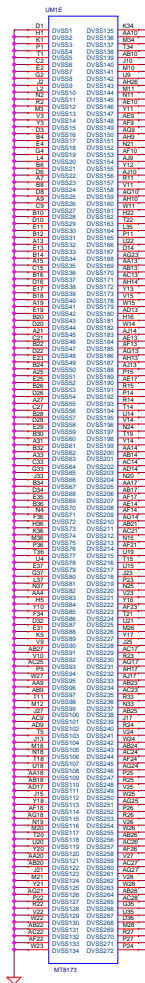


Change board ID to 000 for proto-----0824  
Change board ID to 001 for EVT-----0930  
Change board ID to 010 for DVT-----1123  
Change board ID[2:0] to 011 for PVT-----0105



EMMC ID 0	EMMC ID 1	EMMC ID 2	eMMC PN
0	0	0	Hynix H26M52208FPR
1	0	0	Samsung KLMBG2JENB-B041
0	1	0	Samsung KLMAG1JENB-B041
1	1	0	Hynix H26M64208EMR
0	0	1	Hynix H26M78208CMR
1	0	1	Sandisk SDINADF4-16G-H
0	1	1	Sandisk SDINADF4-32G-L-1001
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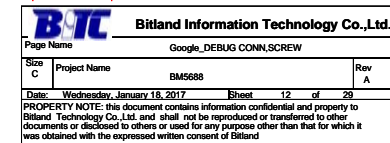








**B I T** Bitland Information Technology Co., Ltd.  
Page Name: INT301  
Site: \_\_\_\_\_  
Project Name: BUS508  
Rev: A  
Date: Wednesday, January 18, 2017 Time: 11:02  
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## SD CARD 1

## MSDC1

Shielding connect to ground

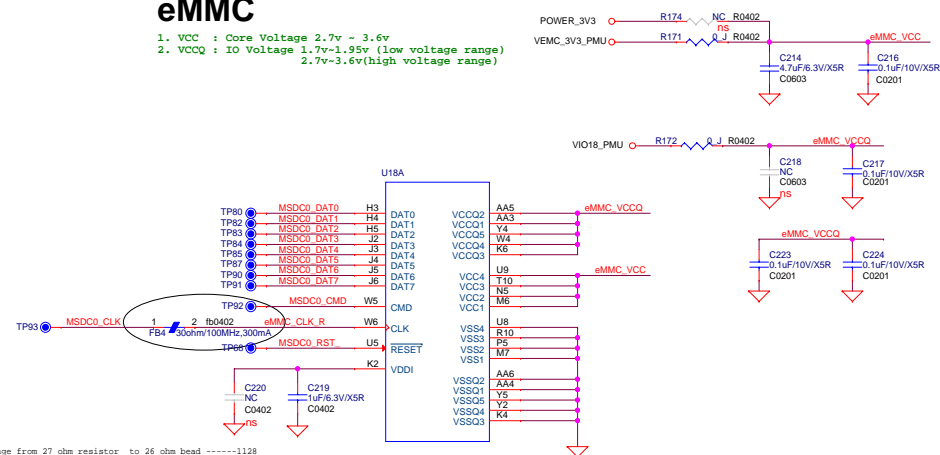
MSDC1\_CLK need GND shielding

## THERMAL SENSOR

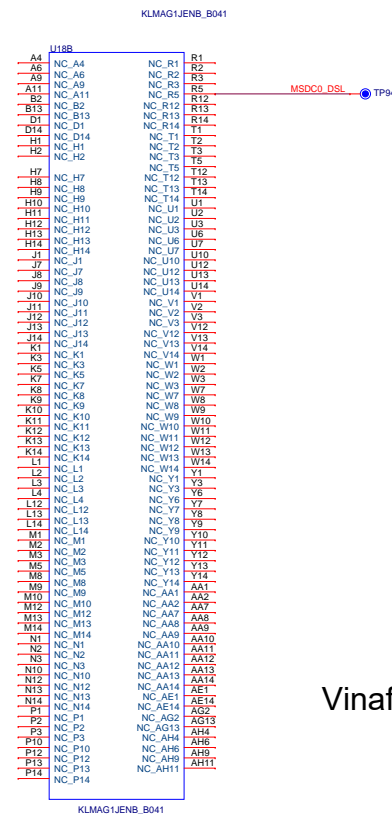
C222 change to unstuff-----0905

## eMMC

1. VCC : Core Voltage 2.7v ~ 3.6v
2. VCCQ : IO Voltage 1.7v-1.95v (low voltage range)  
2.7v-3.6v(high voltage range)

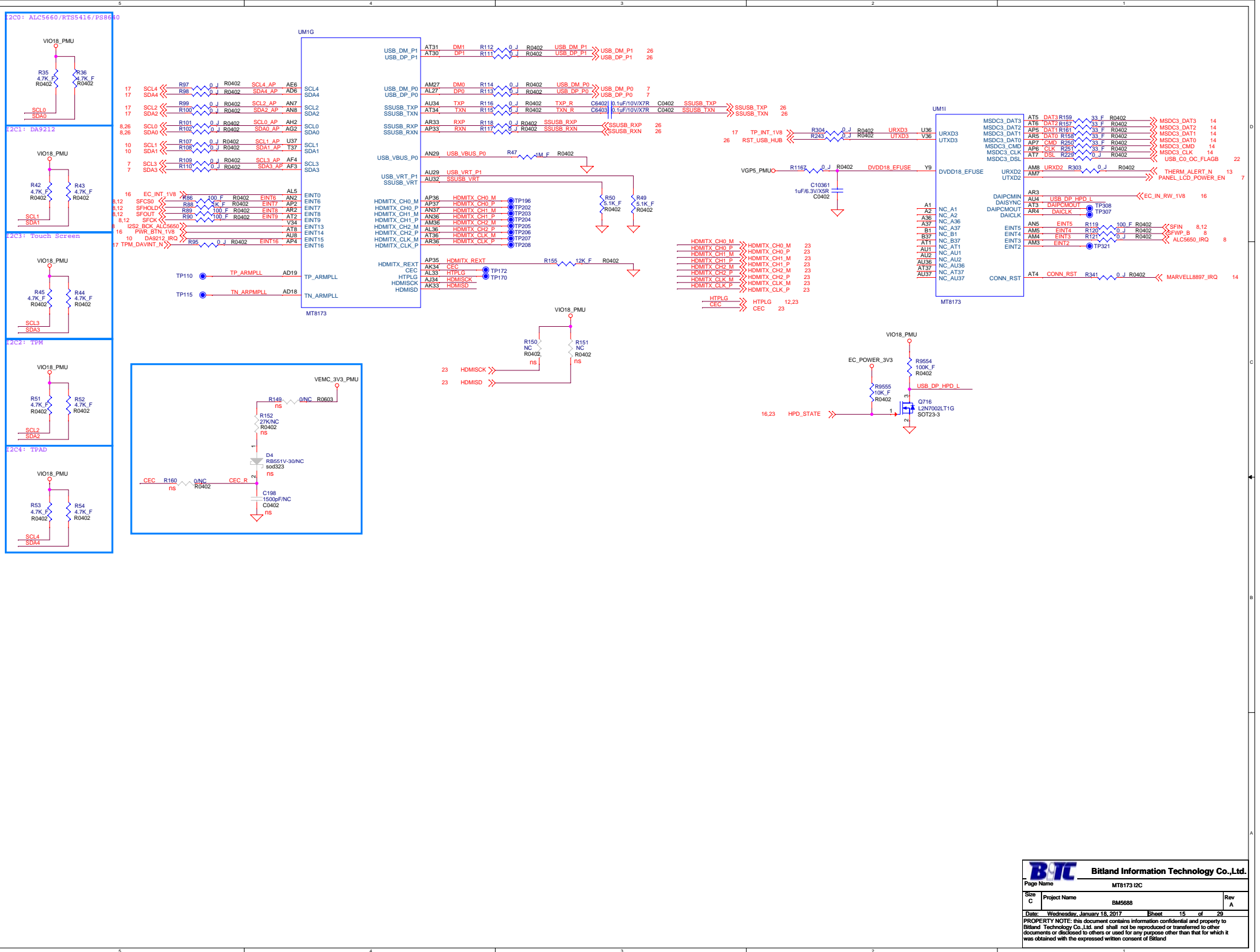


R173 change from 27 ohm resistor to 26 ohm bead -----1126

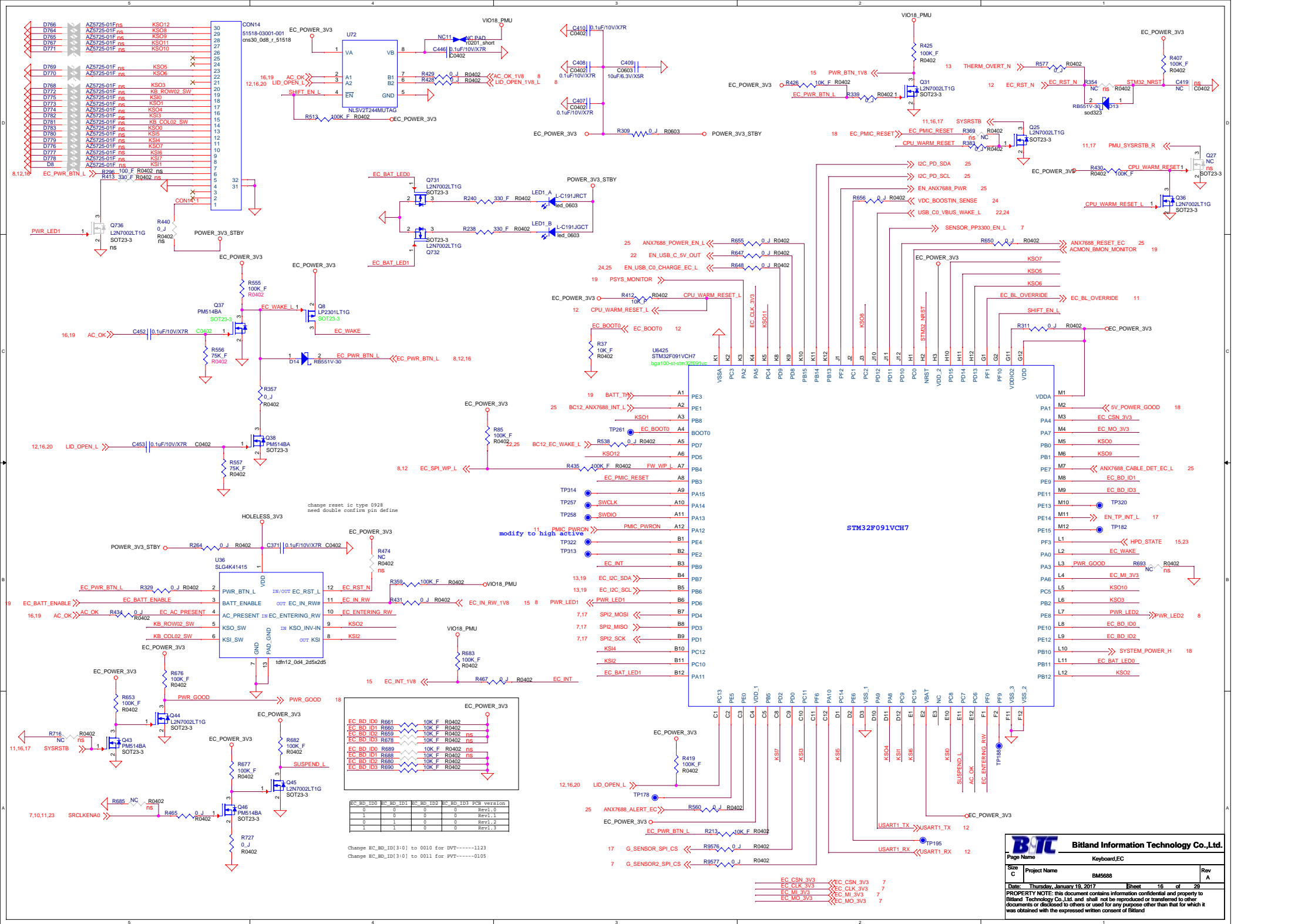


Vinafix.com

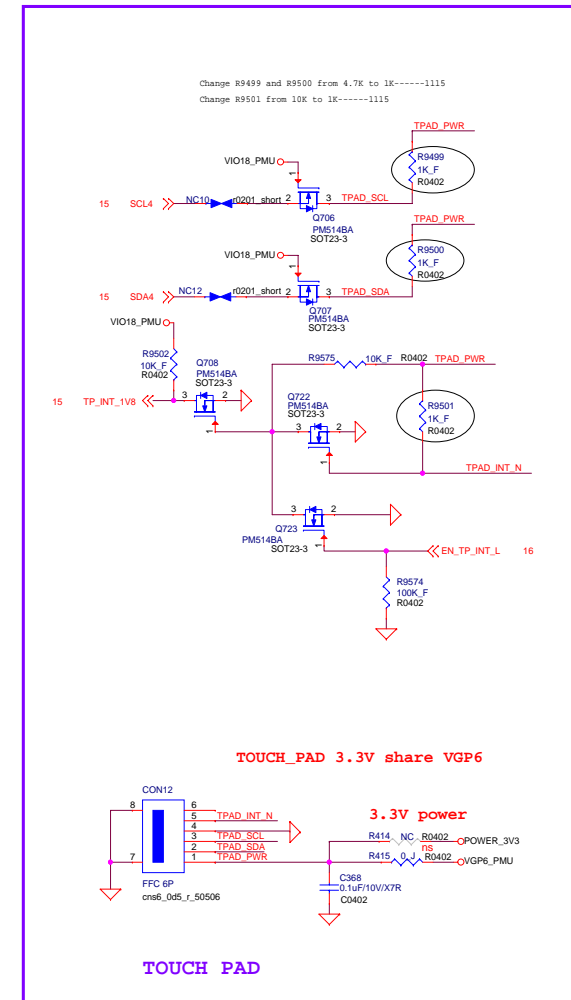
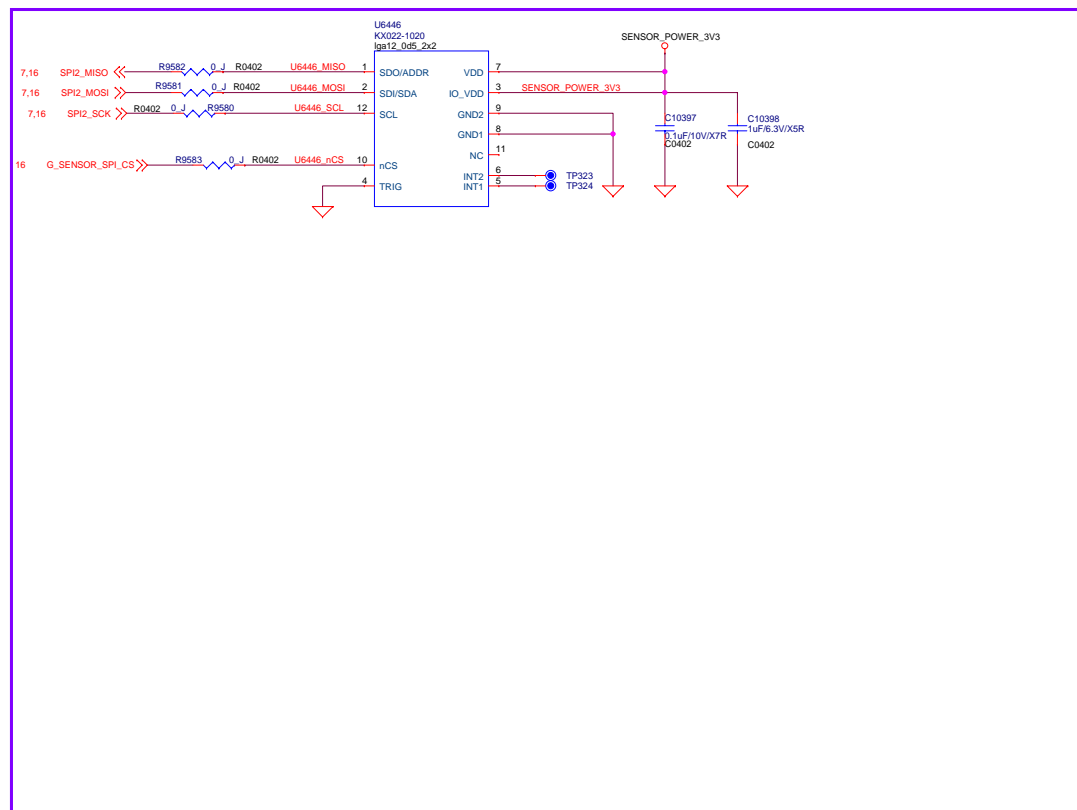
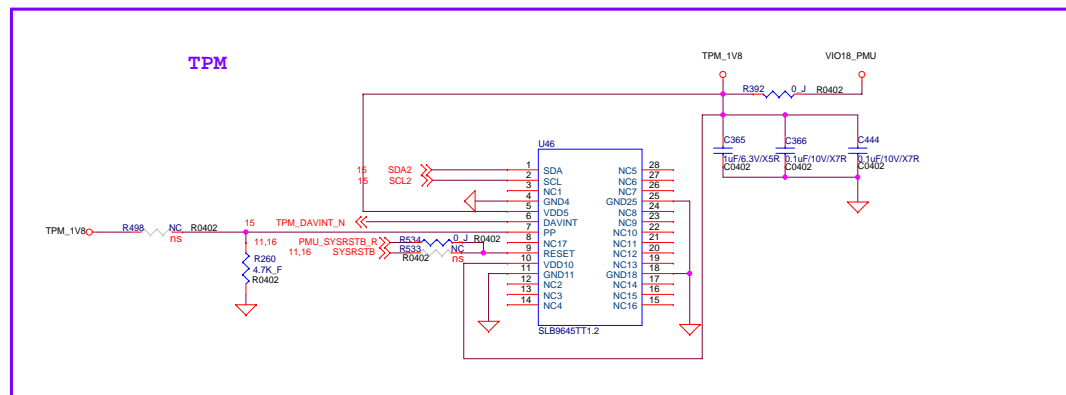


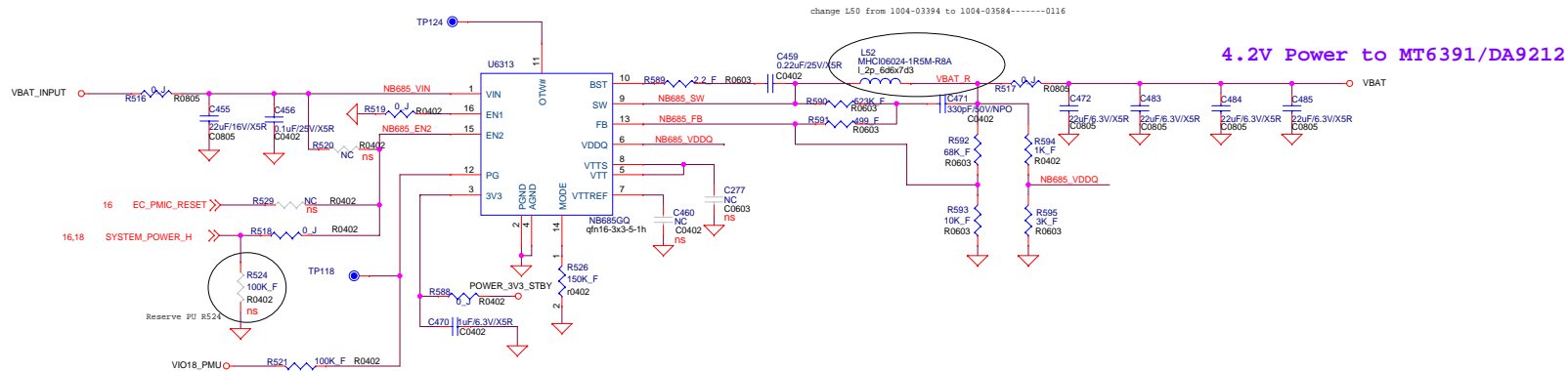
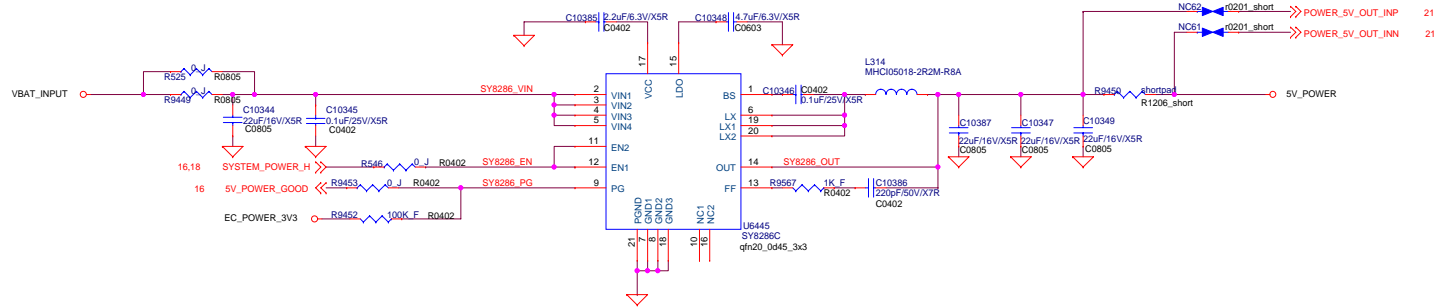




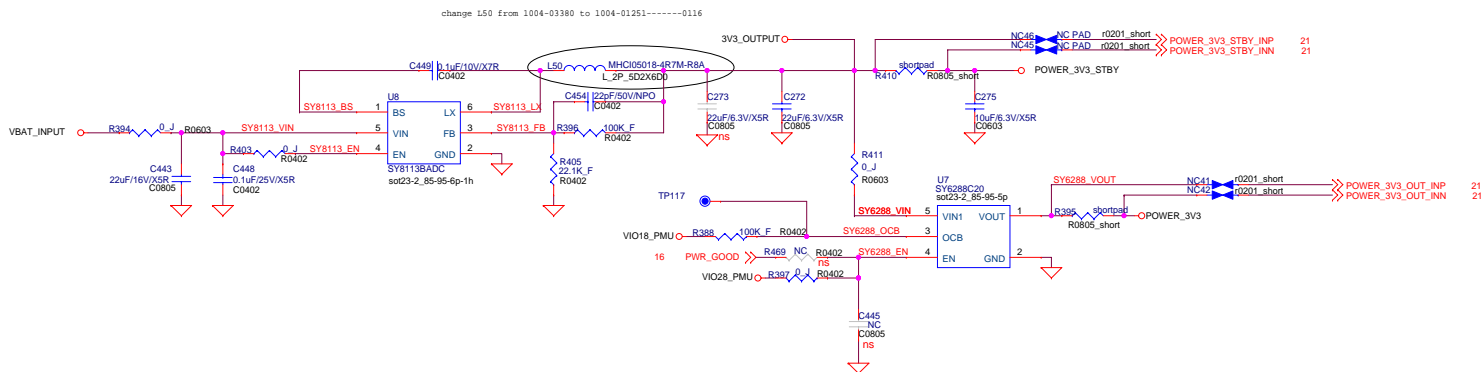






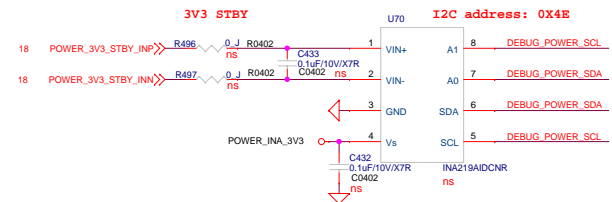
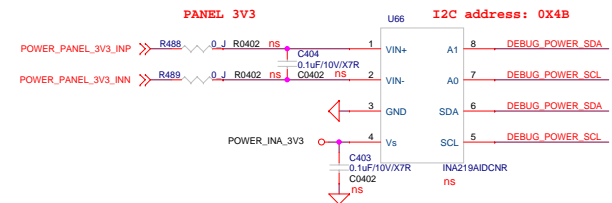
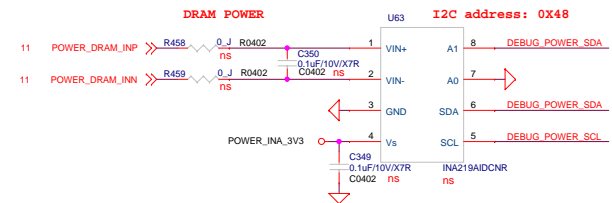
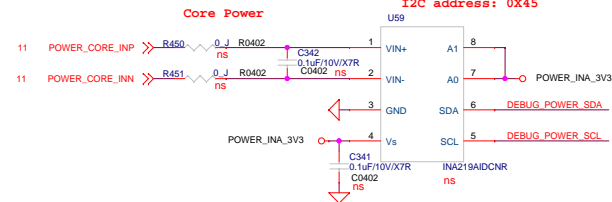
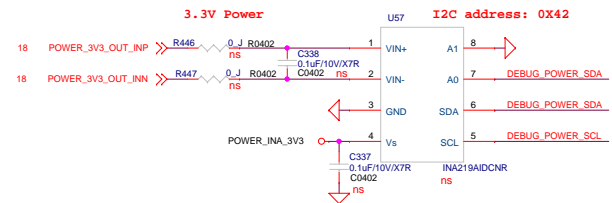
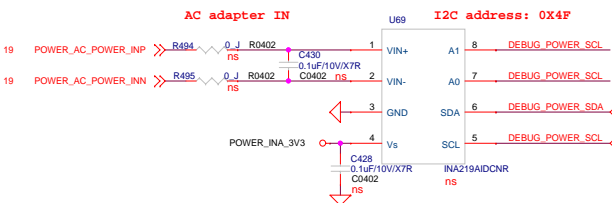
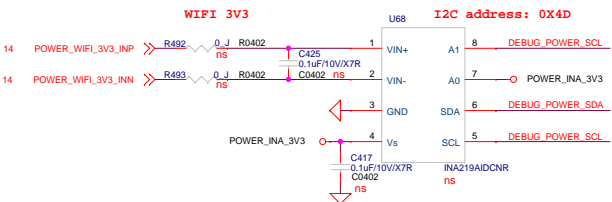
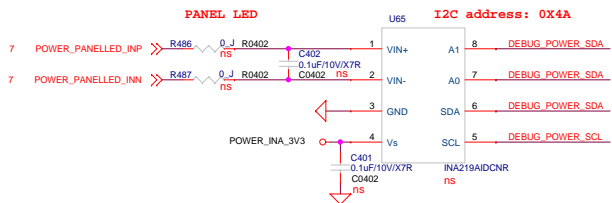
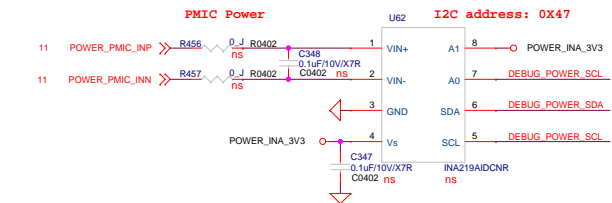
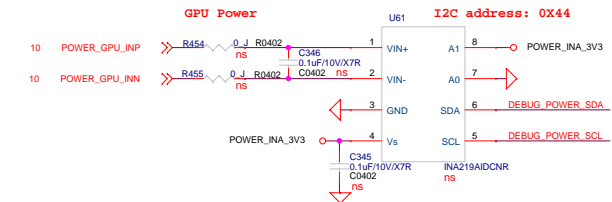
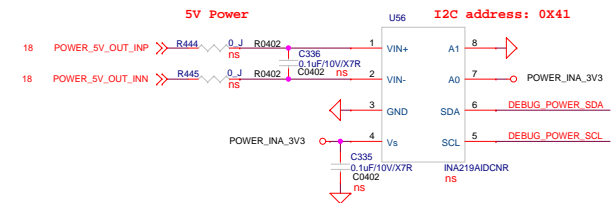
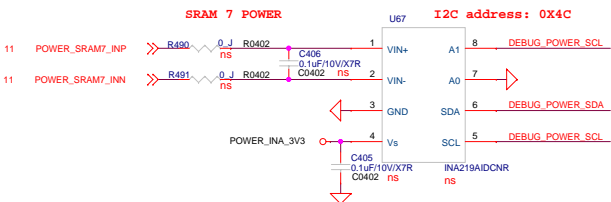
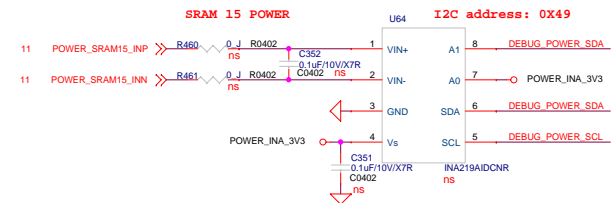
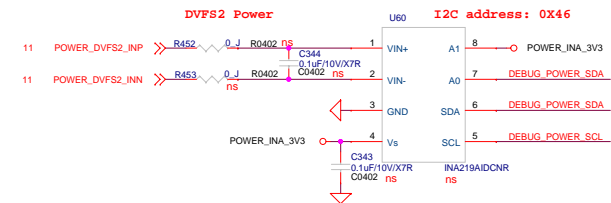
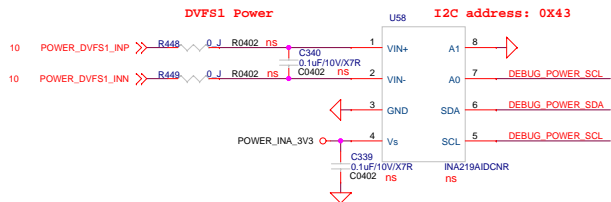
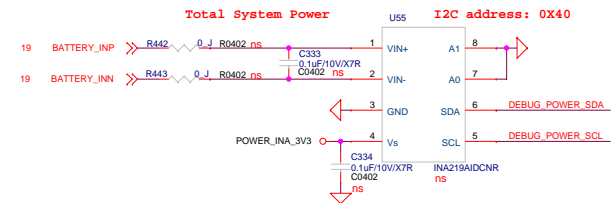


MP stage can remove Q5245AT11U, SMT R441 0 ohm

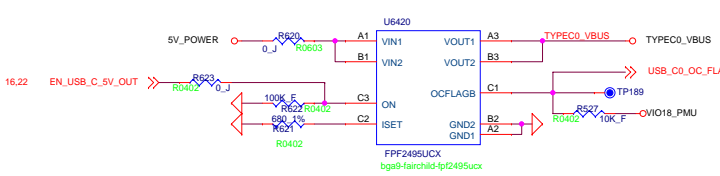
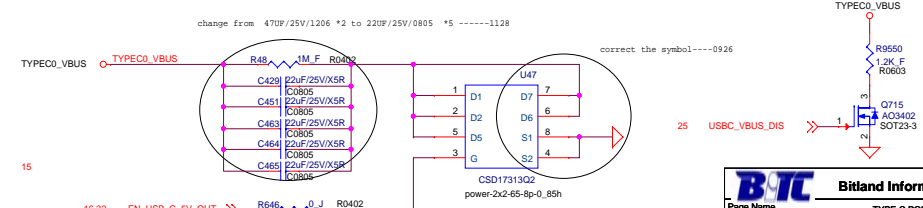
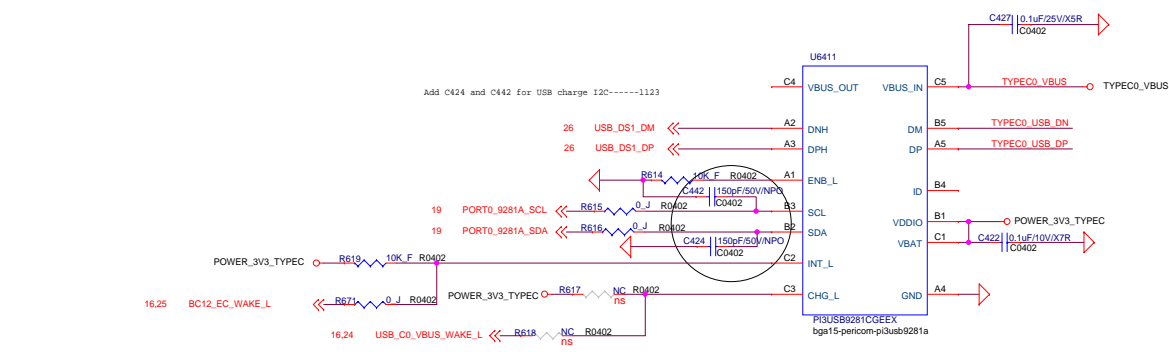
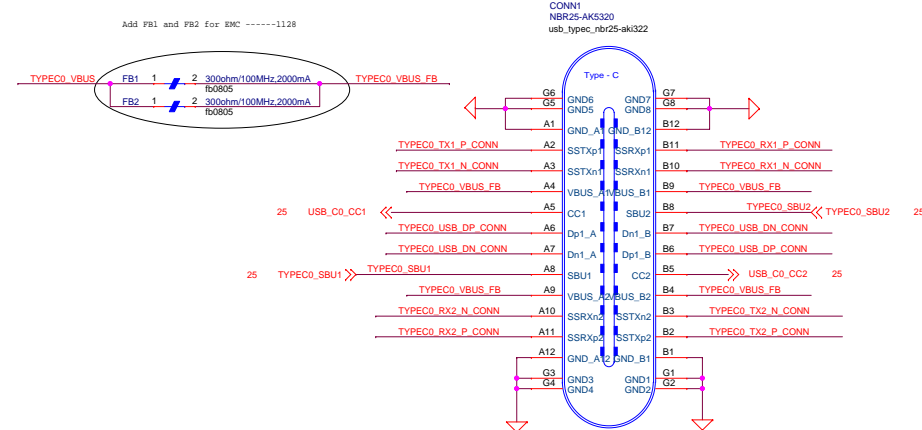
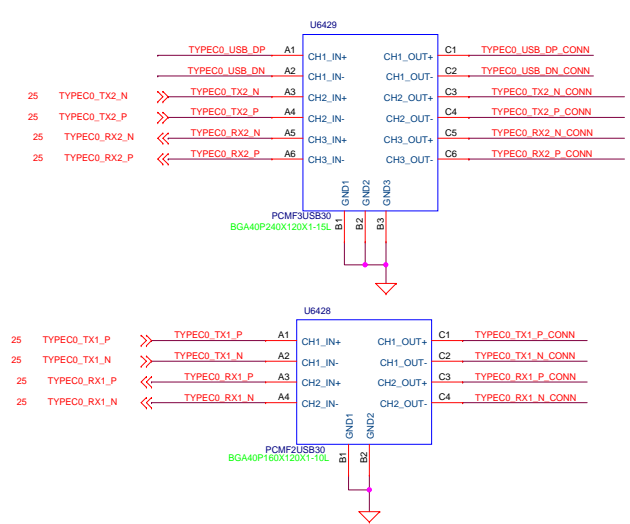


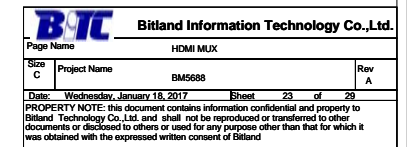
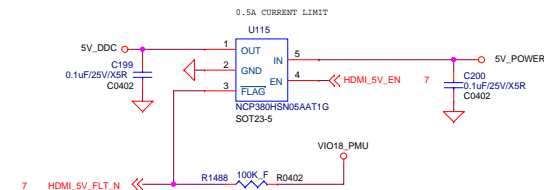
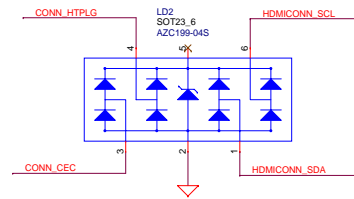
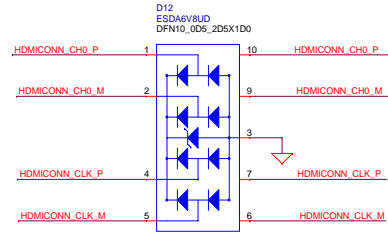


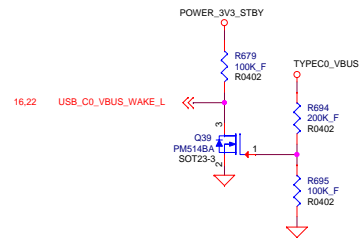
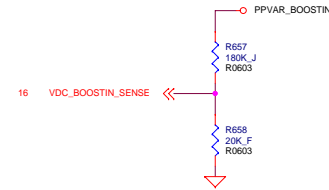
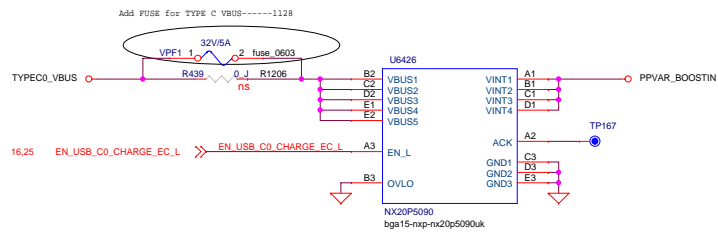




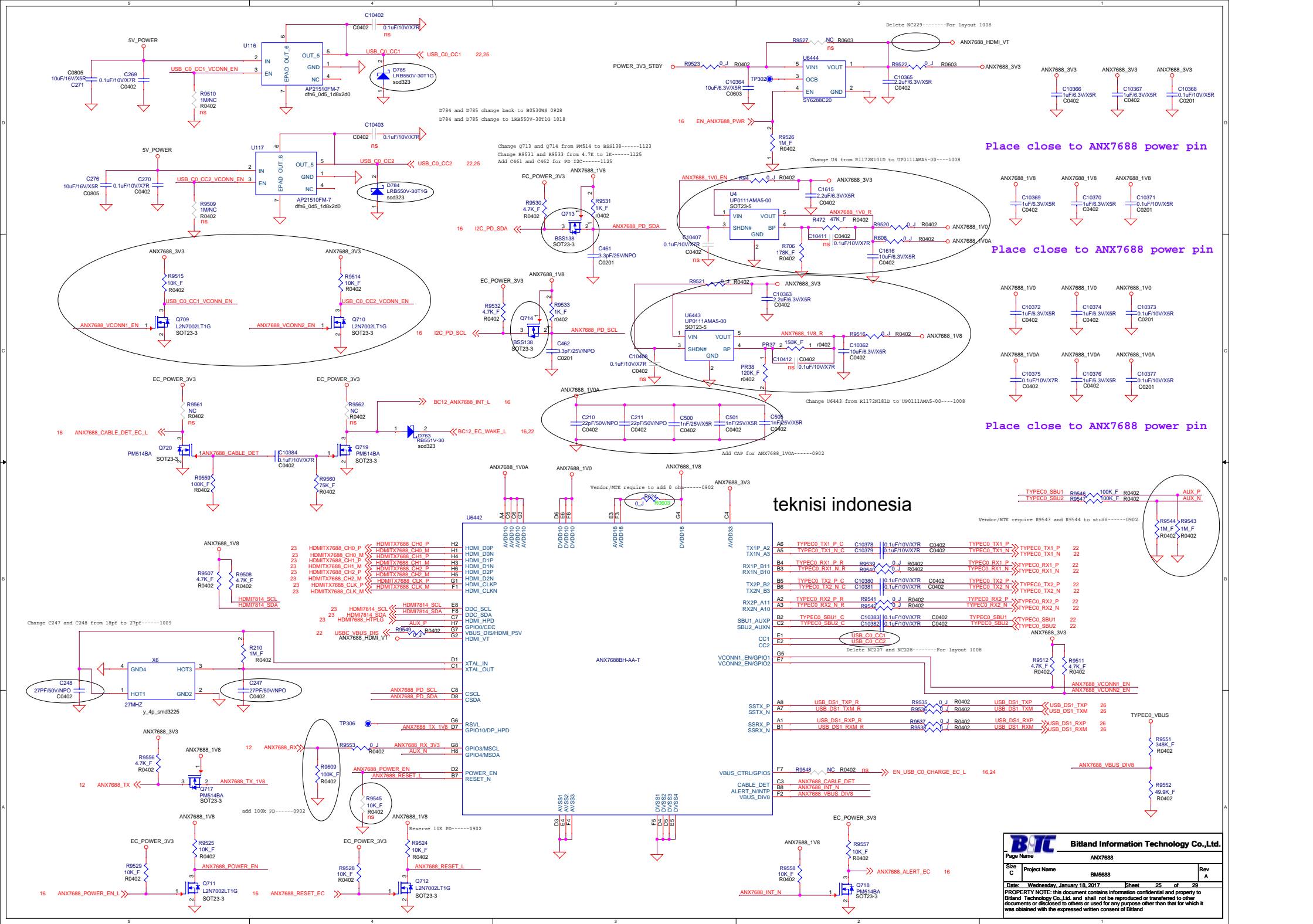
Unstuff these power telemetry parts for PVT-----0115



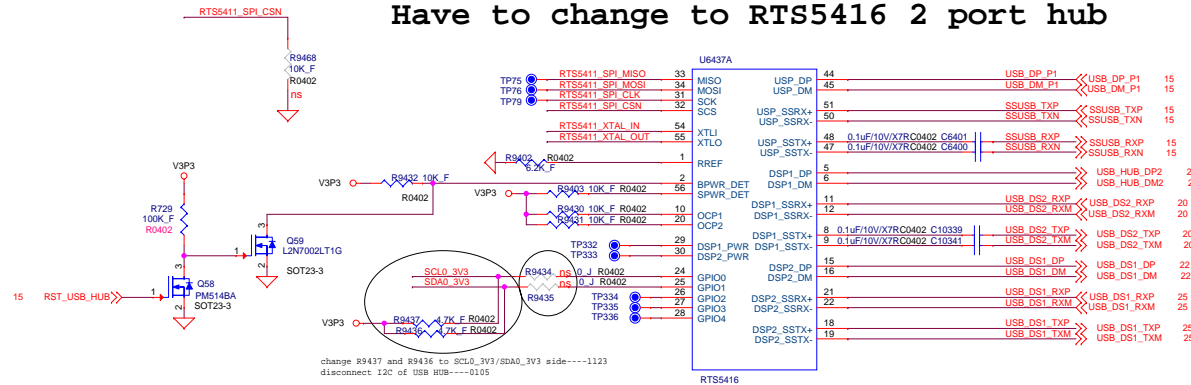






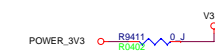
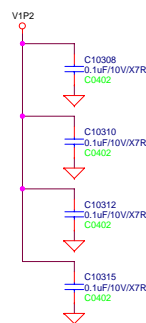
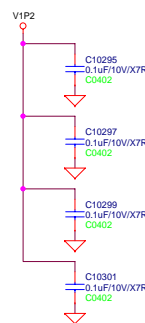
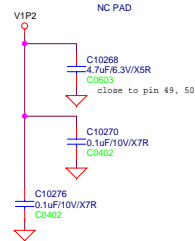
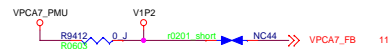
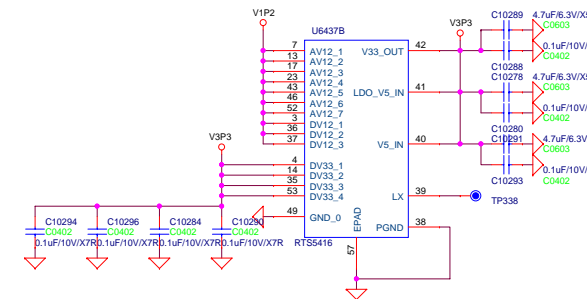
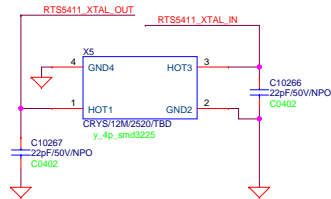
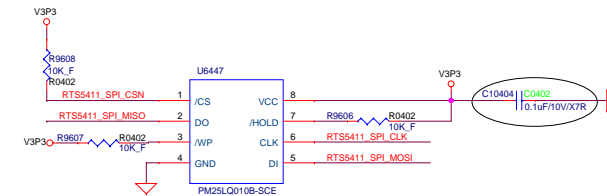
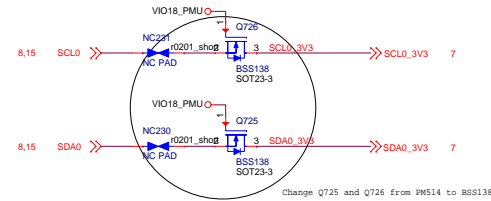


# Have to change to RTS5416 2 port hub



Type A port

Type C port




# N23-Hana Schematic---DB

based on MT8173C

V1.3

2017-1-15

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