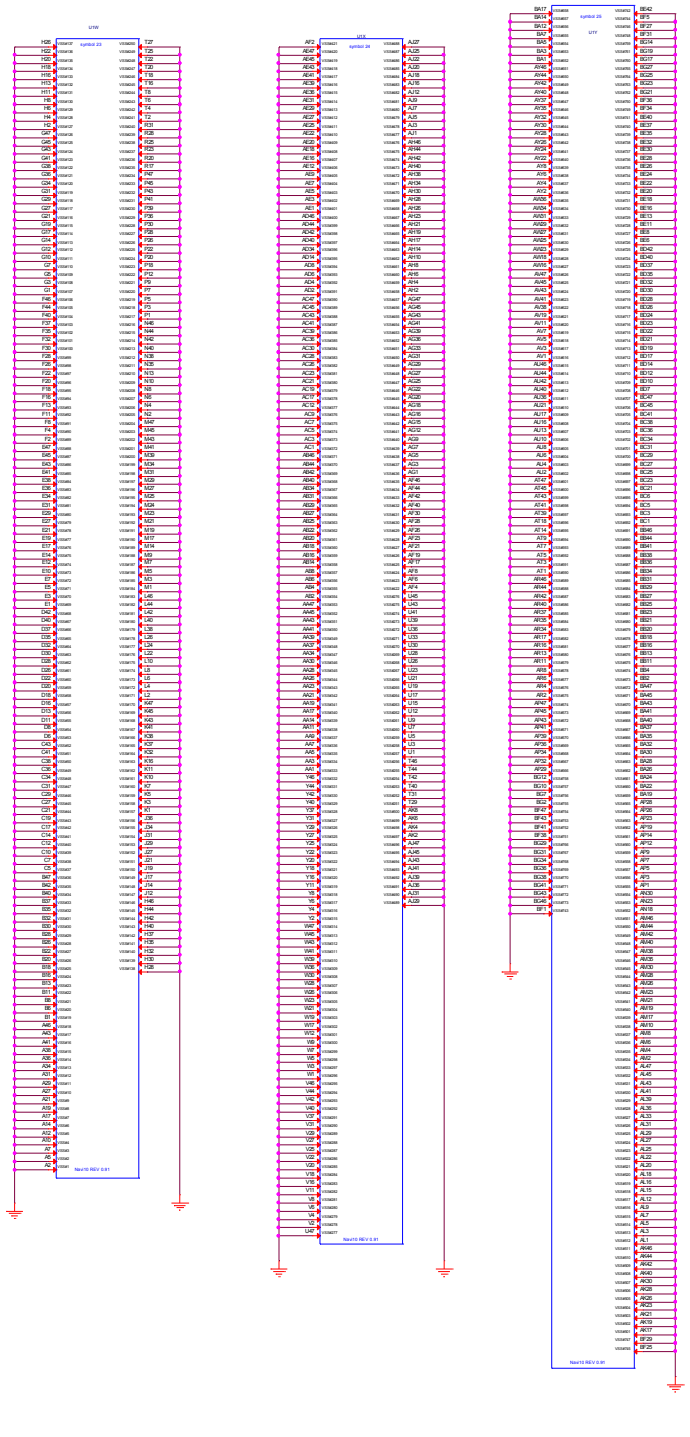

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!

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SHEET: TOC

DATE: Fri Jun 21 05:25:22 2019 REV: 1.00

SHEET NUMBER: 1 OF 35

DOCUMENT NUMBER: 105_D199xx_00B

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TITLE:

NAVI10 G6X16mode DP DP HDMI DP

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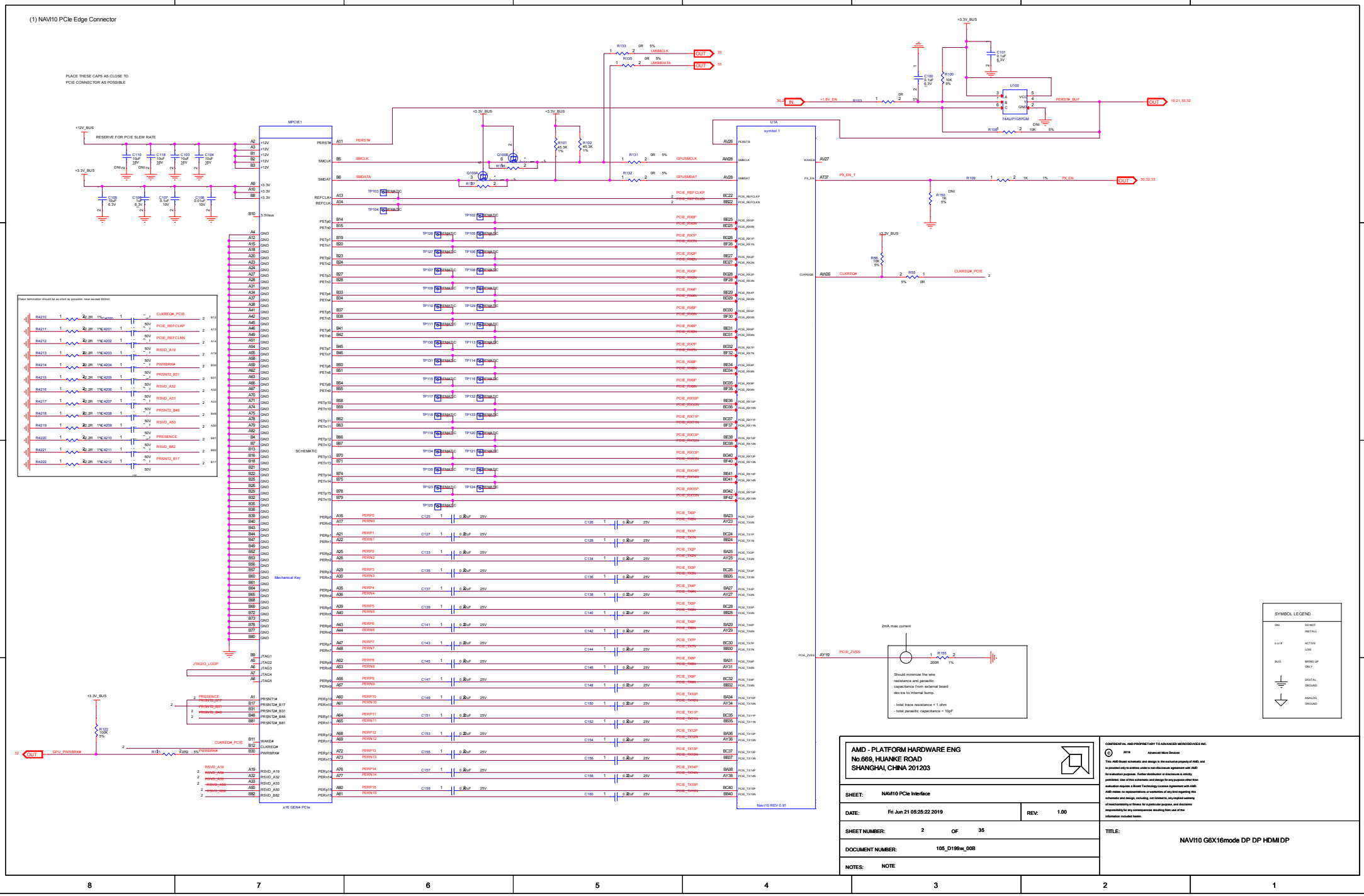

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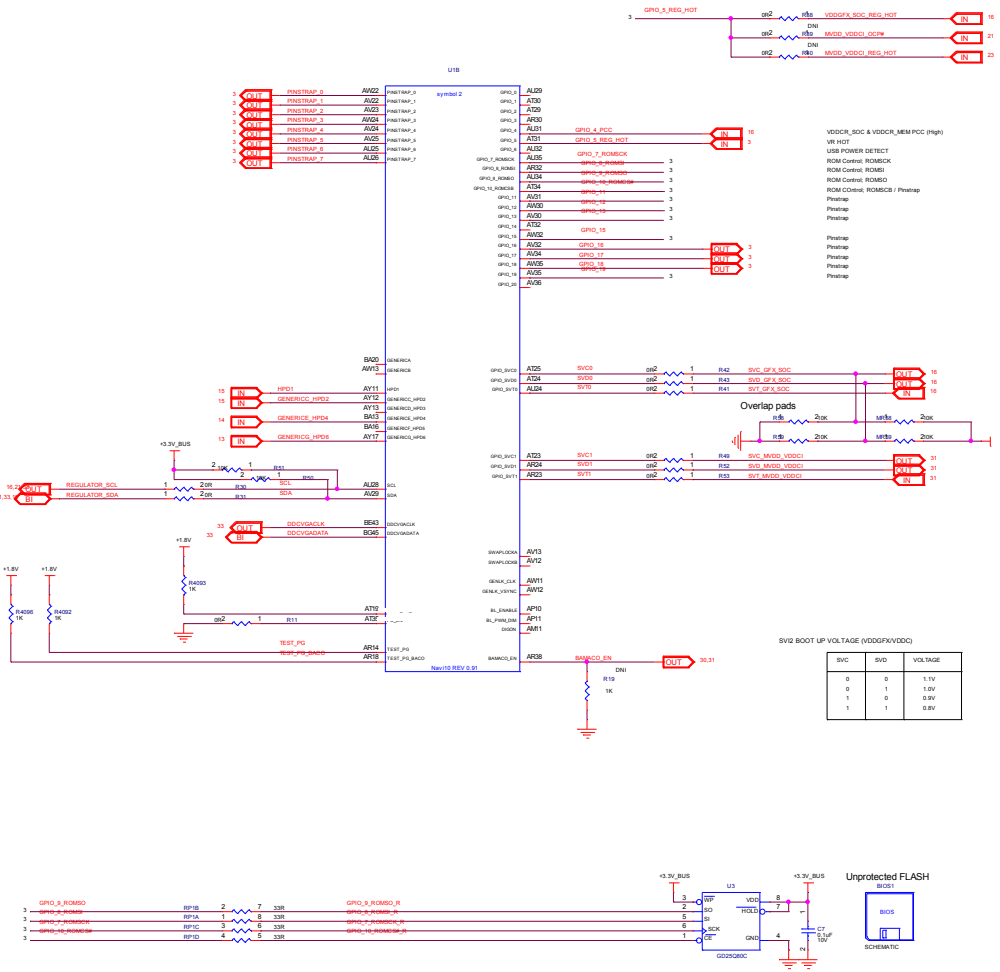

SVC	SVD	VOLTAGE
0	0	1.1V
0	1	1.0V
1	0	0.9V
1	1	0.8V

Note: Internal PU/PD at GPIO pad is ~40k strength in 14nm design spec

User		Internal Default Value	Definition
BIF		0	STRAP_BIF_GEN4_DIS_A 0: PCIe GEN 4 supported 1: PCIe GEN 4 not supported
		0	PINSTRAP_BIF_CLK_PM_EN 0: CLKREQ# power management capability is disabled 1: CLKREQ# power management capability is enabled
		0	PINSTRAP_BIF_LC_TX_SWING
		0	PINSTRAP_BIF_VGA_DIS 0: VGA controller capacity enabled 1: The device won't be recognised as the system's VGA controller
DCE		0 0 0	PINSTRAP_AUD_PORT_CONN[2:0] Number of audio-capable display outputs 0: All endpoints connected 1: 6 endpoints connected 2: 5 endpoints connected 3: 4 endpoints connected 4: 3 endpoints connected 5: 2 endpoints connected 6: 1 endpoint connected 7: 0 endpoints connected
		0 0	PINSTRAP_AUD[1:0] 1: Audio for DisplayPort only 2: Audio for DisplayPort and HDMI if dongle is detected 3: Audio for DisplayPort and native HDMI
Platform		0 0 0	
SMU		1 0 1	
			PINSTRAP_SMBUS_ADDR 0: 0x41h 1: 0x40h
		1	PINSTRAP_BIOS_ROM_EN 0: Disable the external BIOS ROM device 1: Enable the external BIOS ROM device

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SHEET:	NAVI10 GPIOs
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REV:	1.00
SHEET NUMBER:	3 OF 35
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TITLE: NAVI10 G6X16mode DP DP HDMI DP

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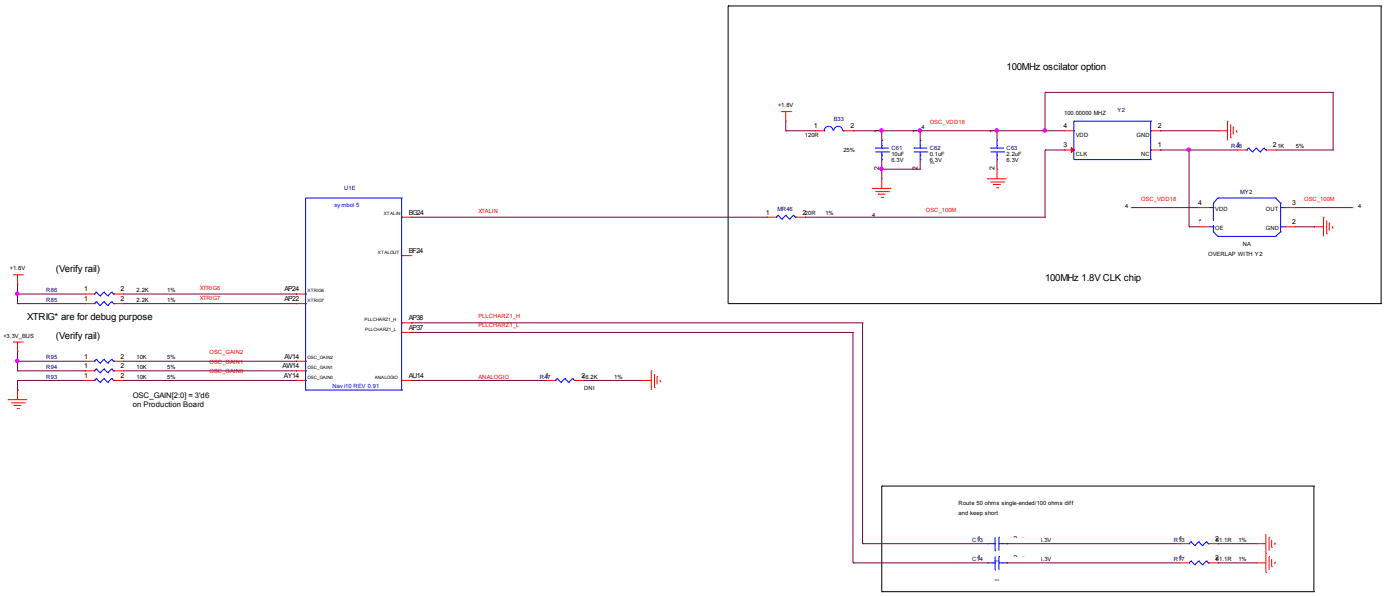

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SHEET:	NAVI10 XTAL
DATE:	Fri Jun 21 05:25:23 2019
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TITLE:
NAVI10 G6X16mode DP DP HDMI DP

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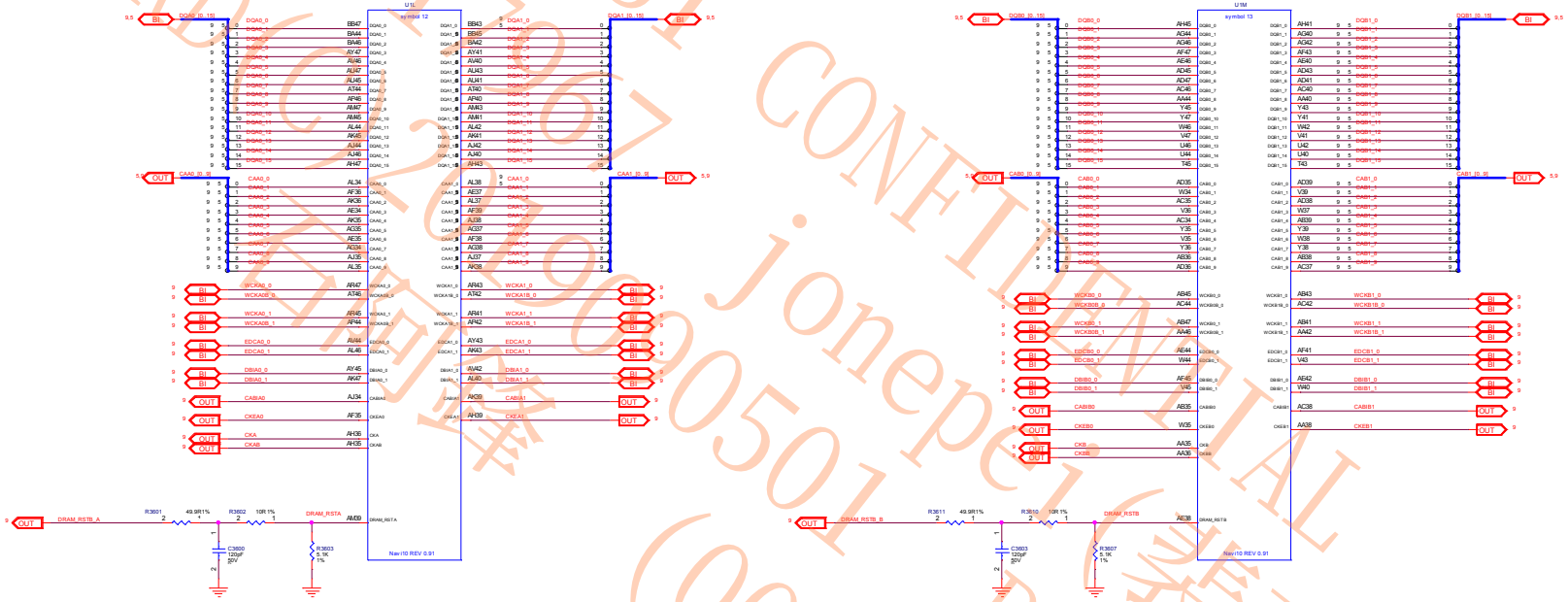
NAVI 10 MEM INTERFACE CH A/B



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SHEET:	NAVI10 MEM CHAB
DATE:	Fri Jun 21 05:25:24 2019
REV:	1.00
SHEET NUMBER:	5 OF 35
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TITLE: NAVI10 G6X16mode DP DP HDMI DP

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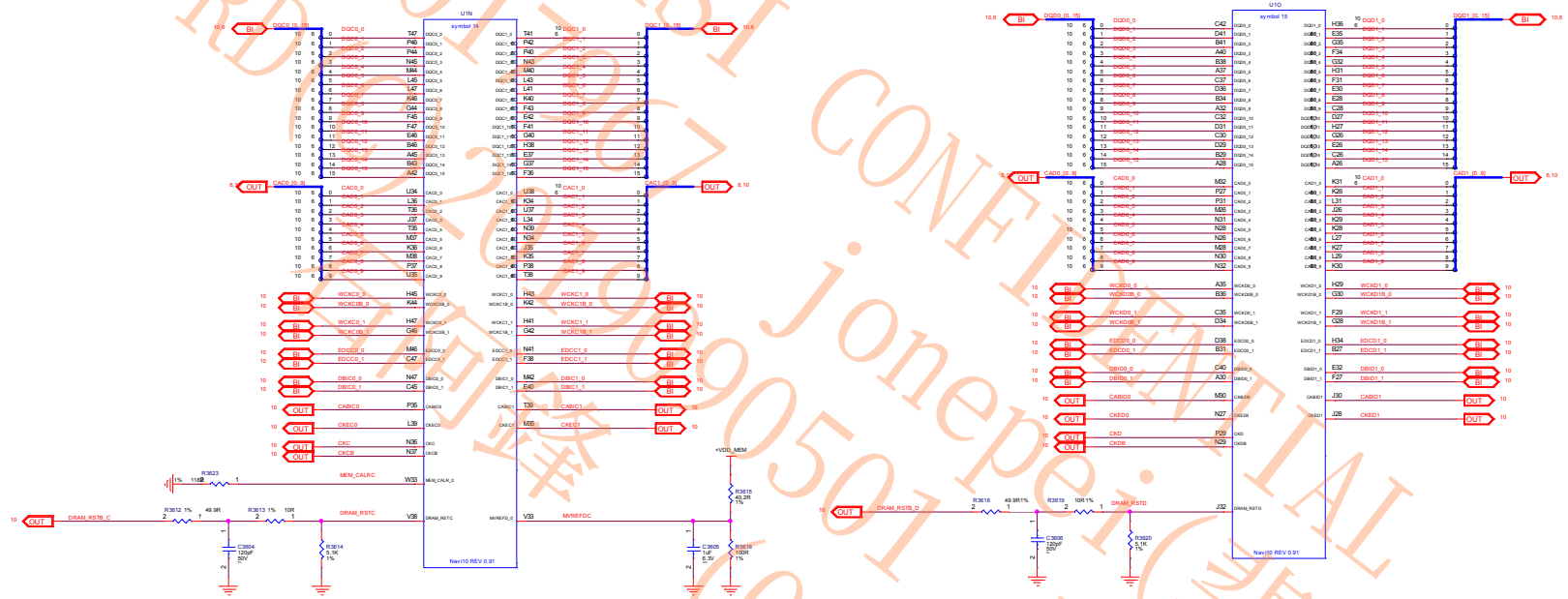
NAVI 10 MEM INTERFACE CH C/D



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SHEET:	NAVI10 MEM CH C/D
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TITLE: NAVI10 G6X16mode DP DP HDMI DP

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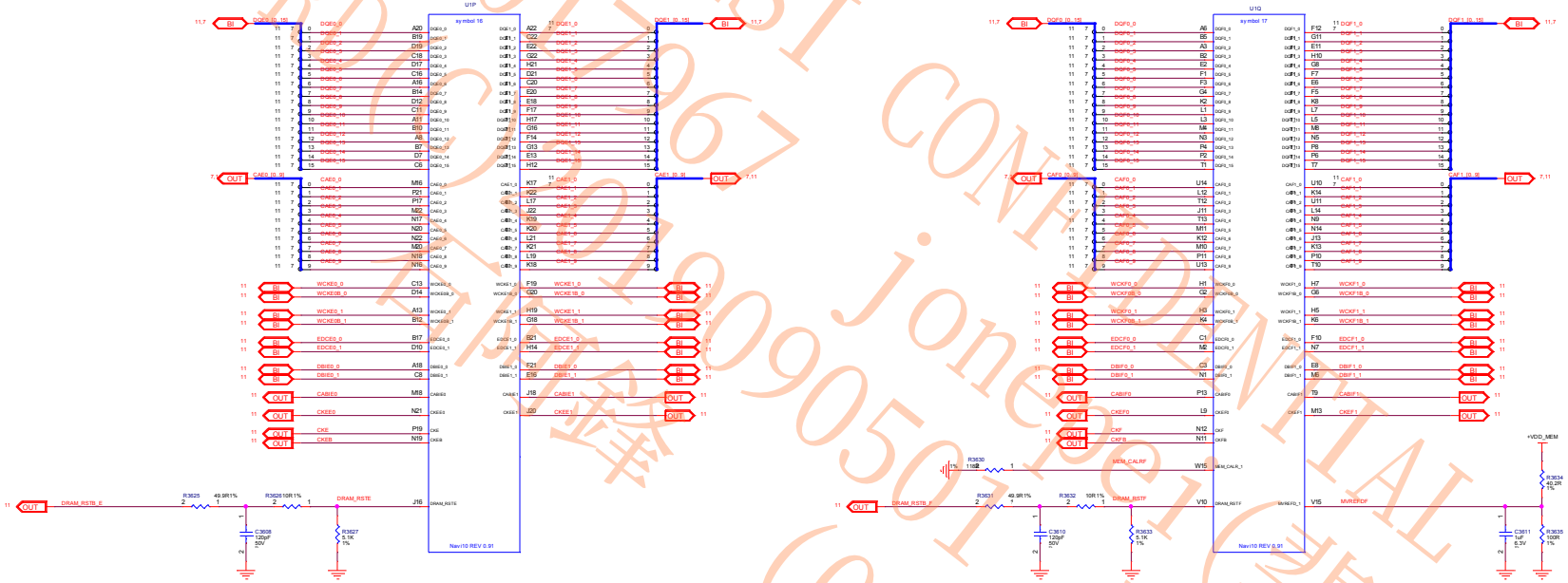
NAVI 10 MEM INTERFACE CH E/F



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SHEET:	NAVI10 MEM CHEF
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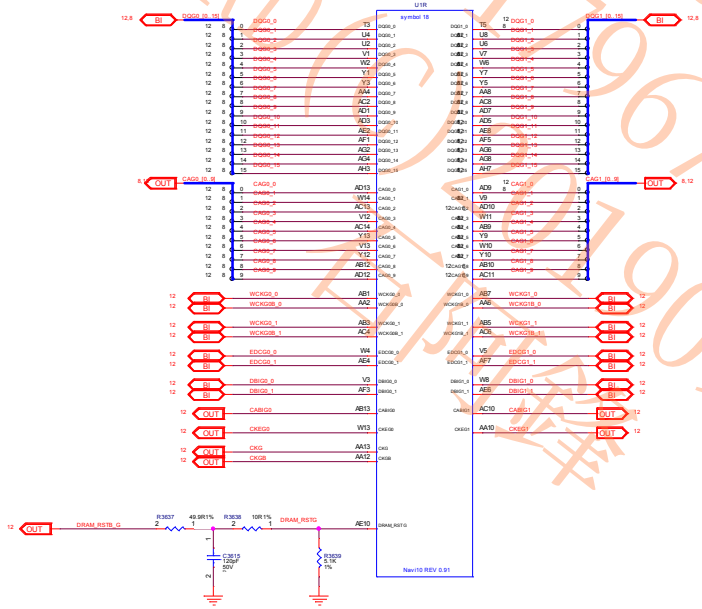
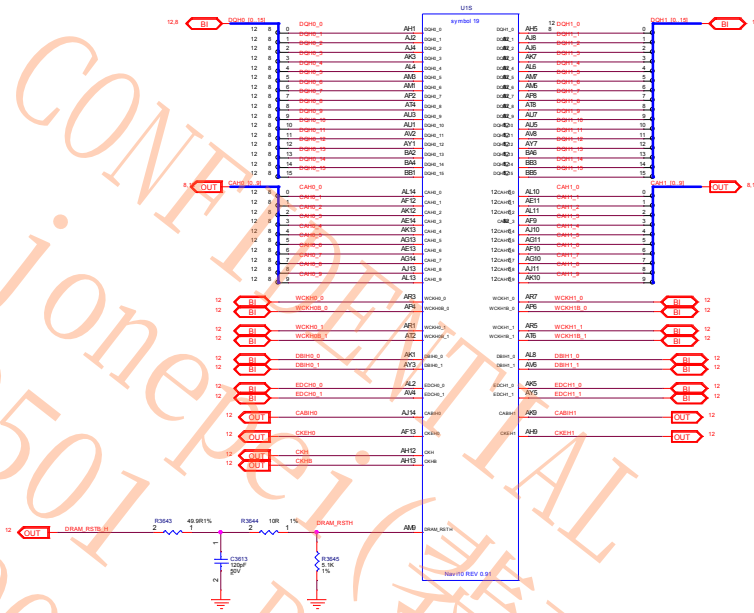
NAVI 10 MEM INTERFACE CH G/H





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SHEET:	NAVI10 MEM CHGH
DATE:	Fri Jun 21 05:25:26 2019
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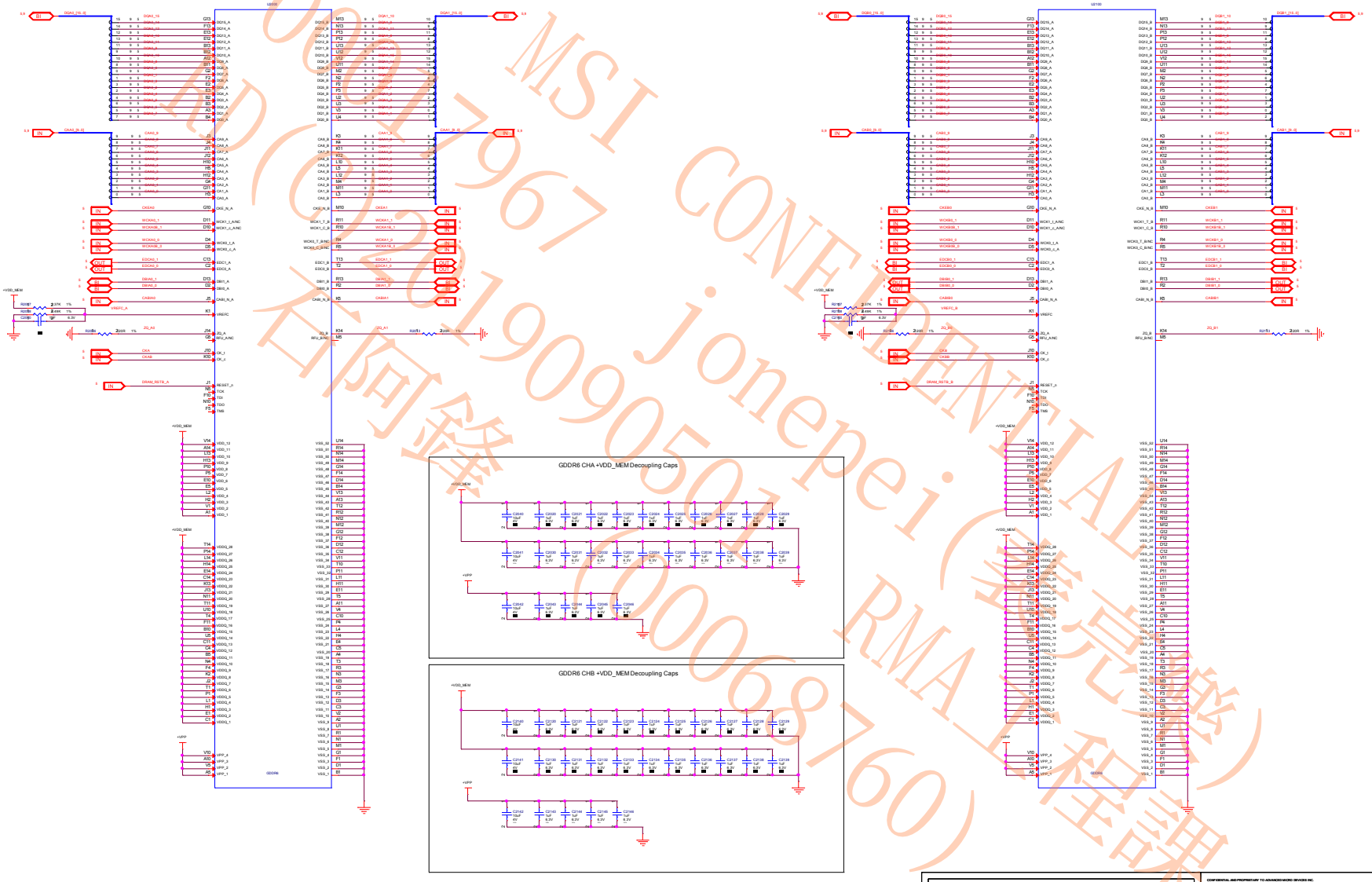
GDDR6x16 CHAB Memory



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SHEET: GDDR6 MEM CHAB	
DATE: Fri Jun 21 03:45:56 2019	REV: 1.00
SHEET NUMBER: 9 OF 35	
DOCUMENT NUMBER: 105_D199xx_00B	
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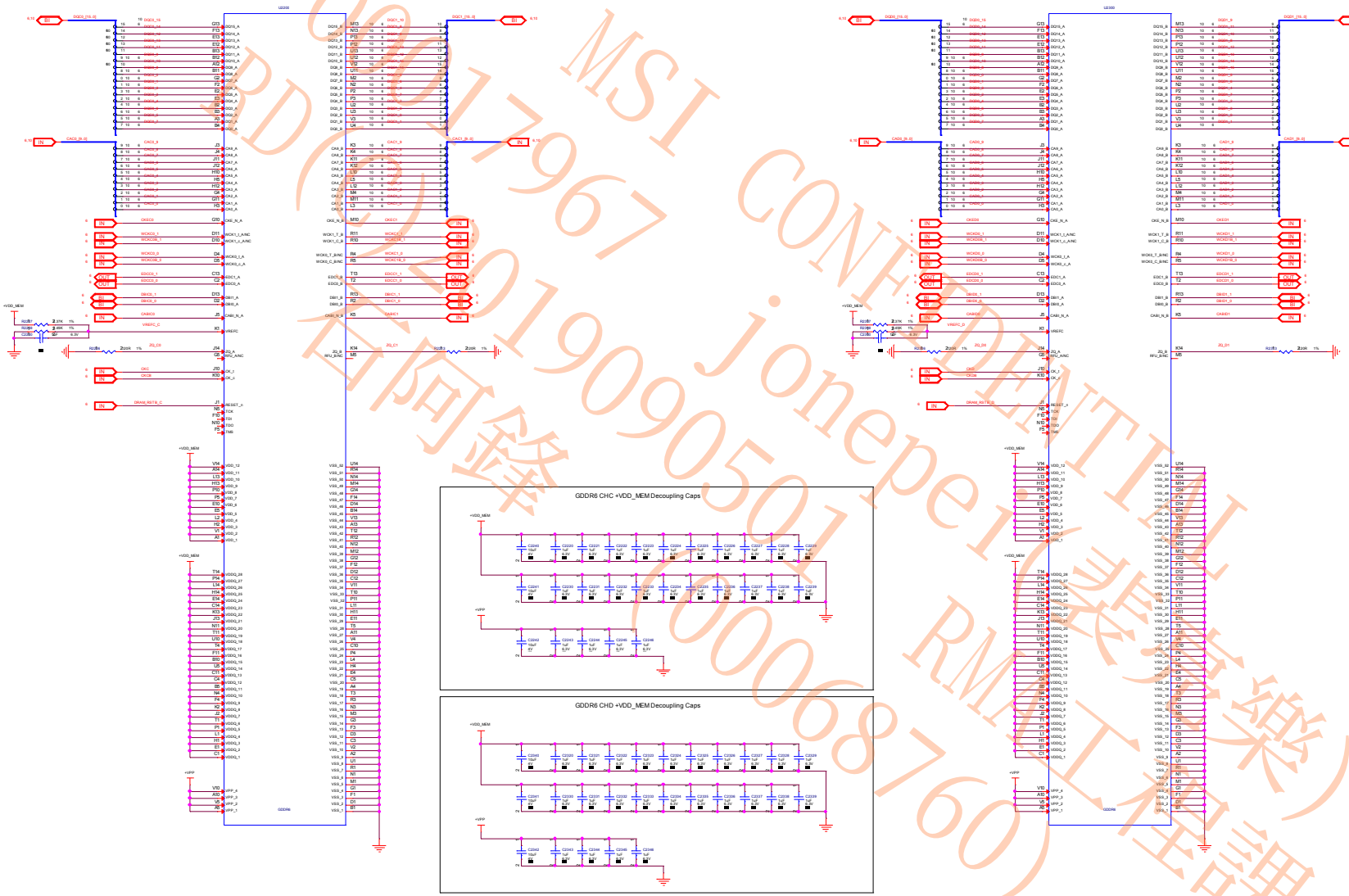
GDDR6x16 CHCD Memory



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SHEET:	GDDR6 MEM CHCD
DATE:	Fri Jun 21 03:45:56 2019
REV:	1.00
SHEET NUMBER:	10 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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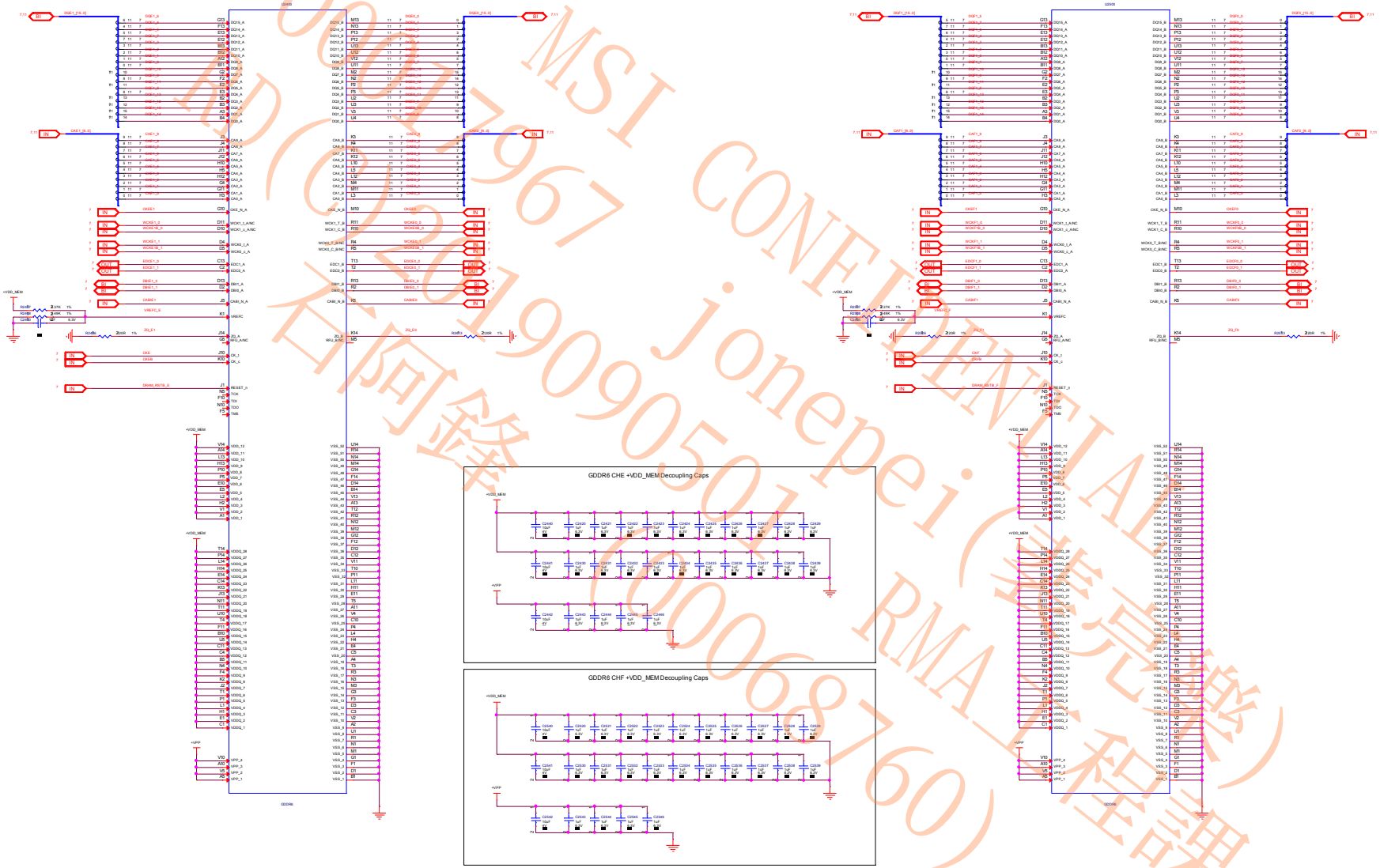
GDDR6x16 CHEF Memory



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SHEET:	GDDR6 MEM CHEF
DATE:	Fri Jun 21 03:45:57 2019
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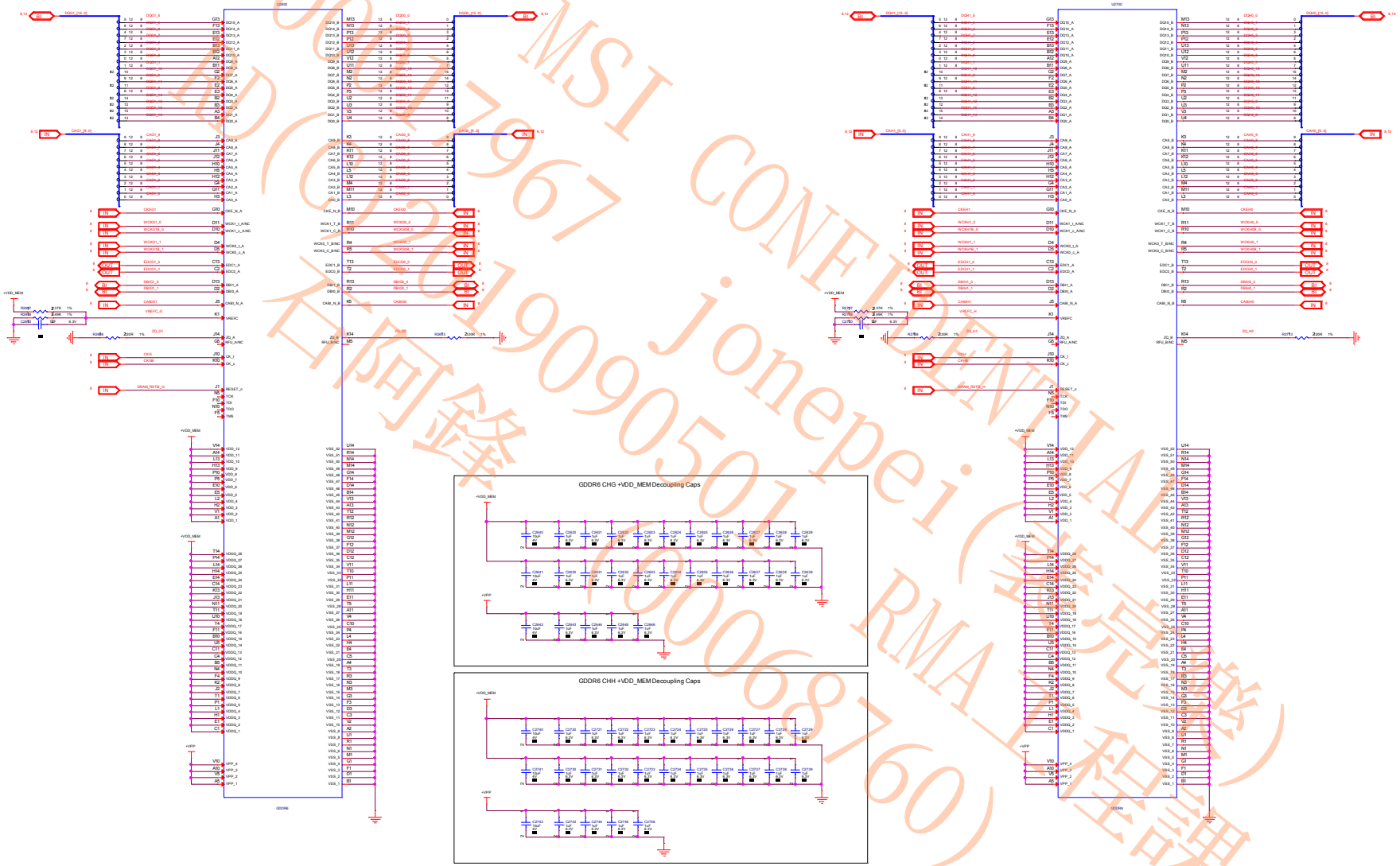
GDDR6x16 CHGH Memory



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SHEET:	GDDR6 MEM CHGH
DATE:	Fri Jun 21 03:45:58 2019
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SHEET NUMBER:	12 OF 35
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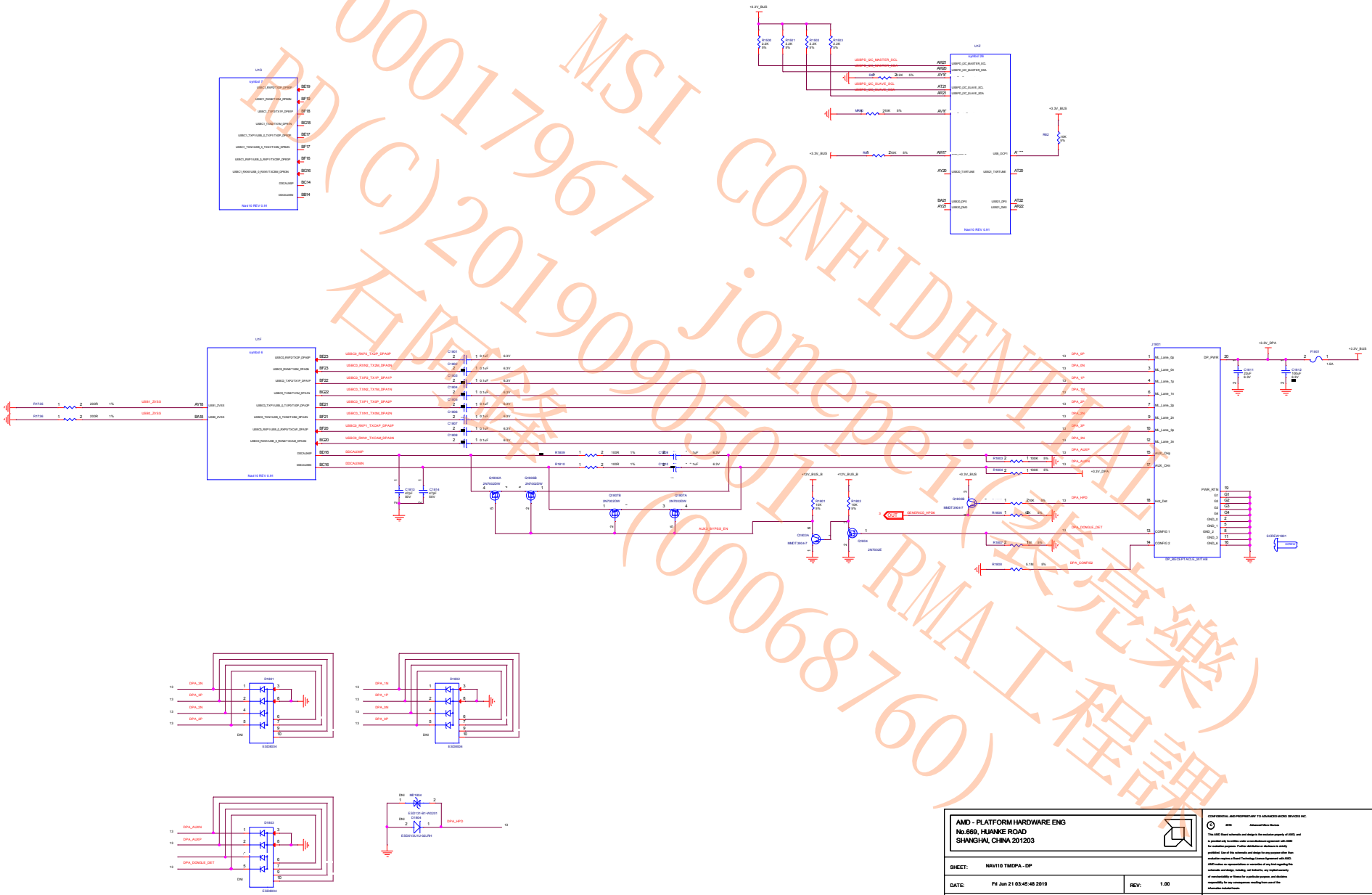
NAVI10 TMDP A/B



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SHEET: NAVI10 TMDPA - DP	
DATE: Fri Jun 21 03:45:48 2019	REV: 1.00
SHEET NUMBER: 13 OF 35	
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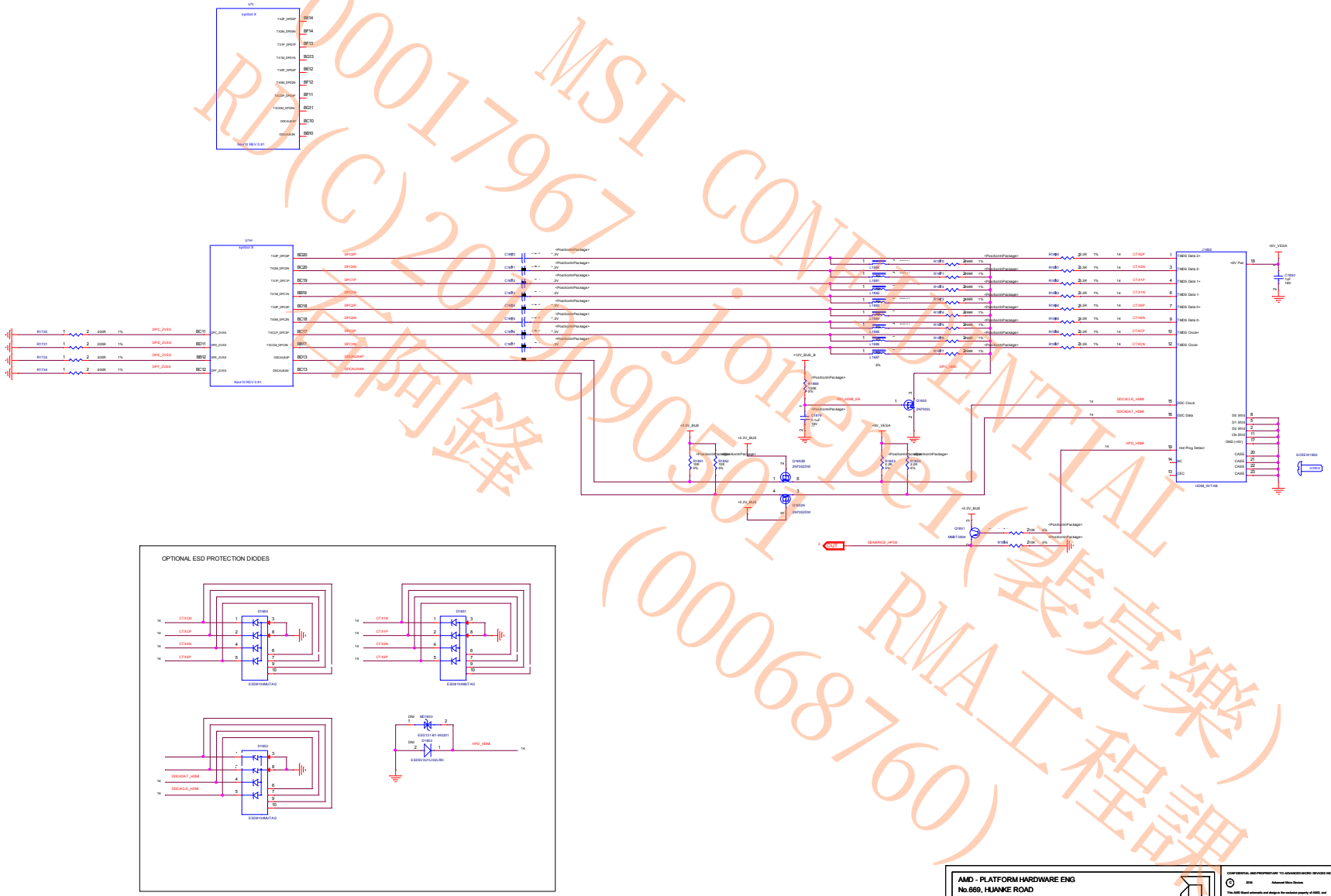
TITLE: NAVI10 G6X16mode DP DP HDMI DP

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!

NAVI10 TMDP C/D



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SHEET:	NAVI10 TMDPC - HDMI
DATE:	Fri Jun 21 03:45:48 2019
REV:	1.00
SHEET NUMBER:	14 OF 35
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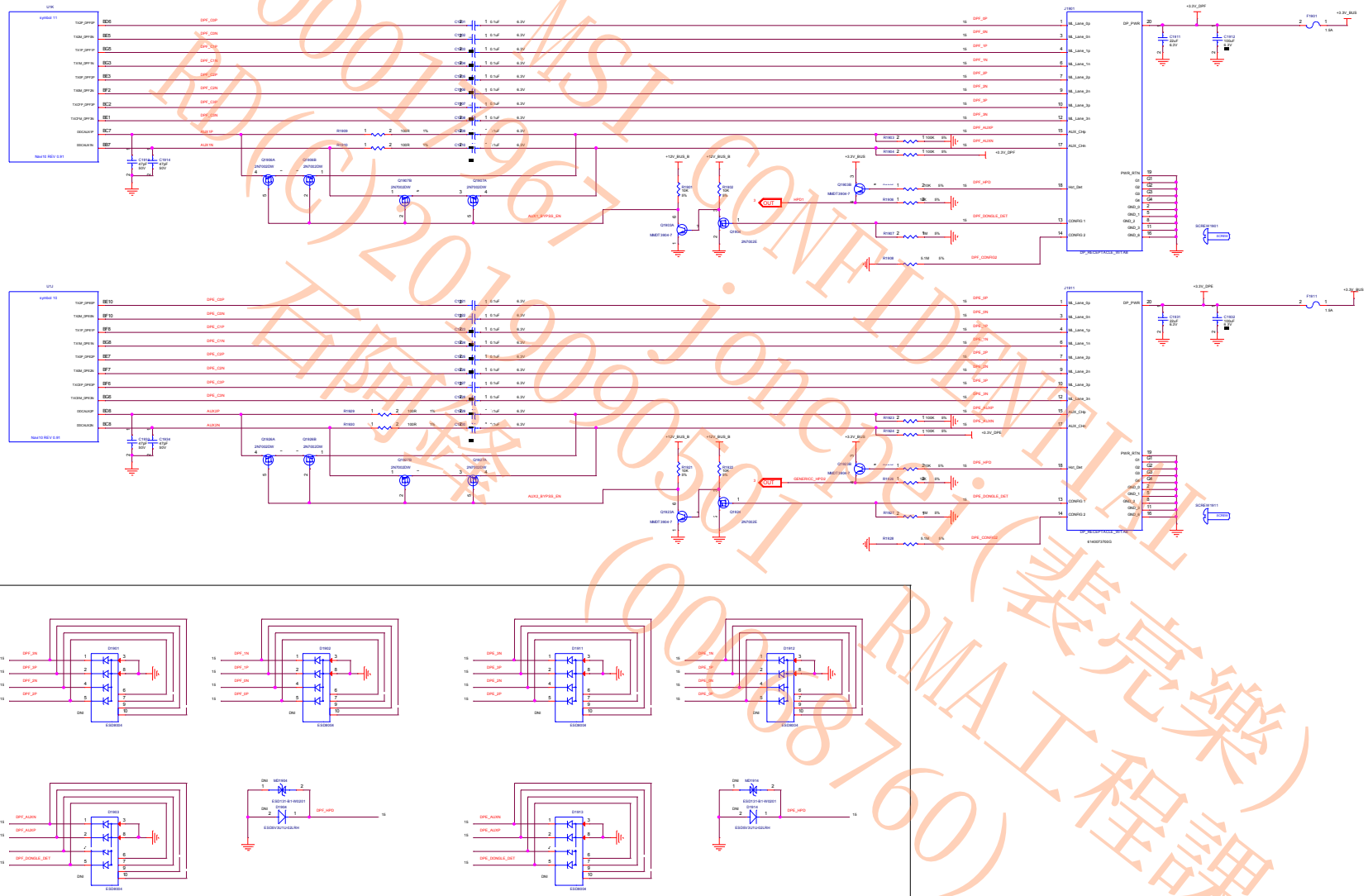
(9) NAVI10 TMDP E/F



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SHEET: NAVI10 TMDPEF - DP DP	
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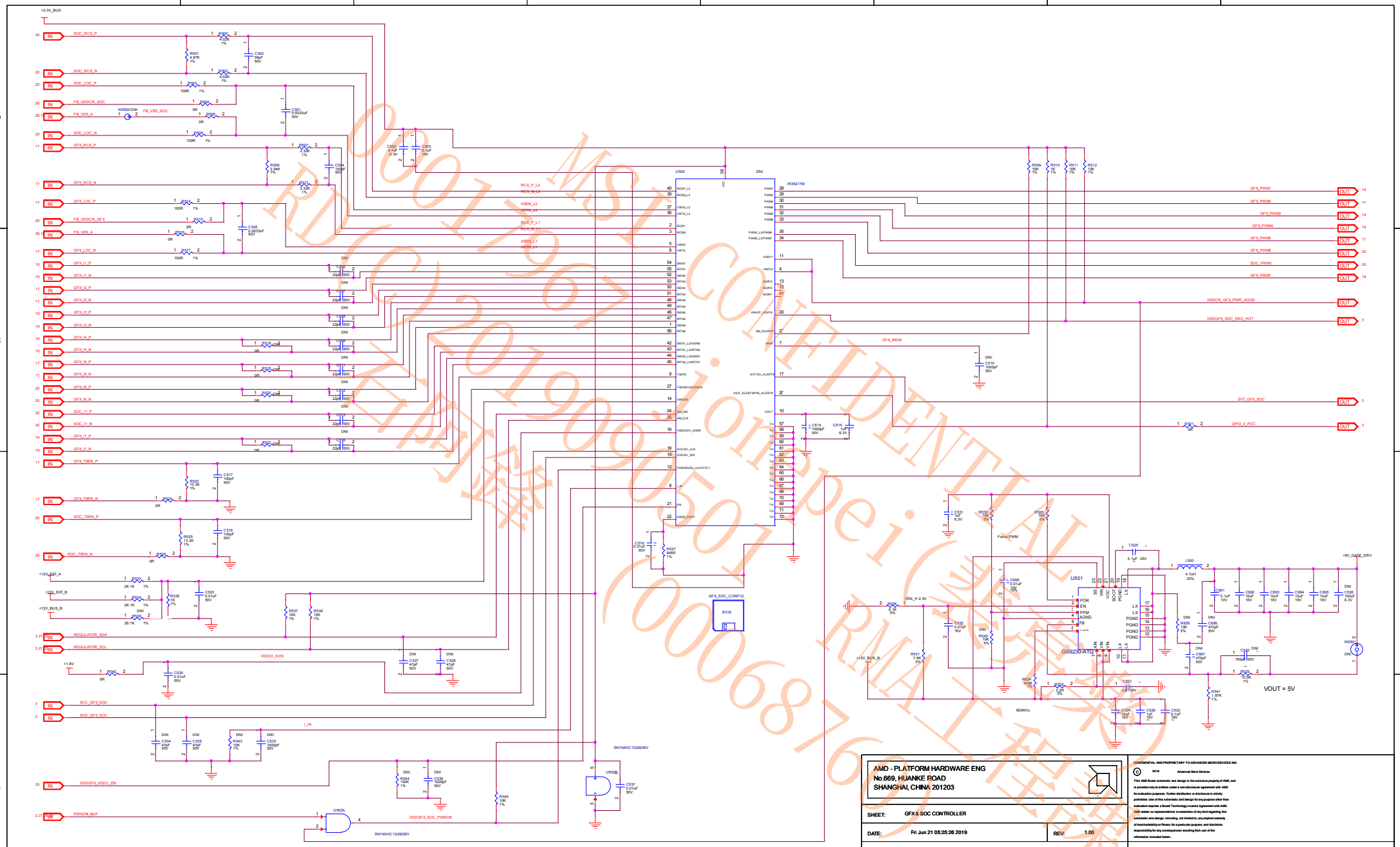

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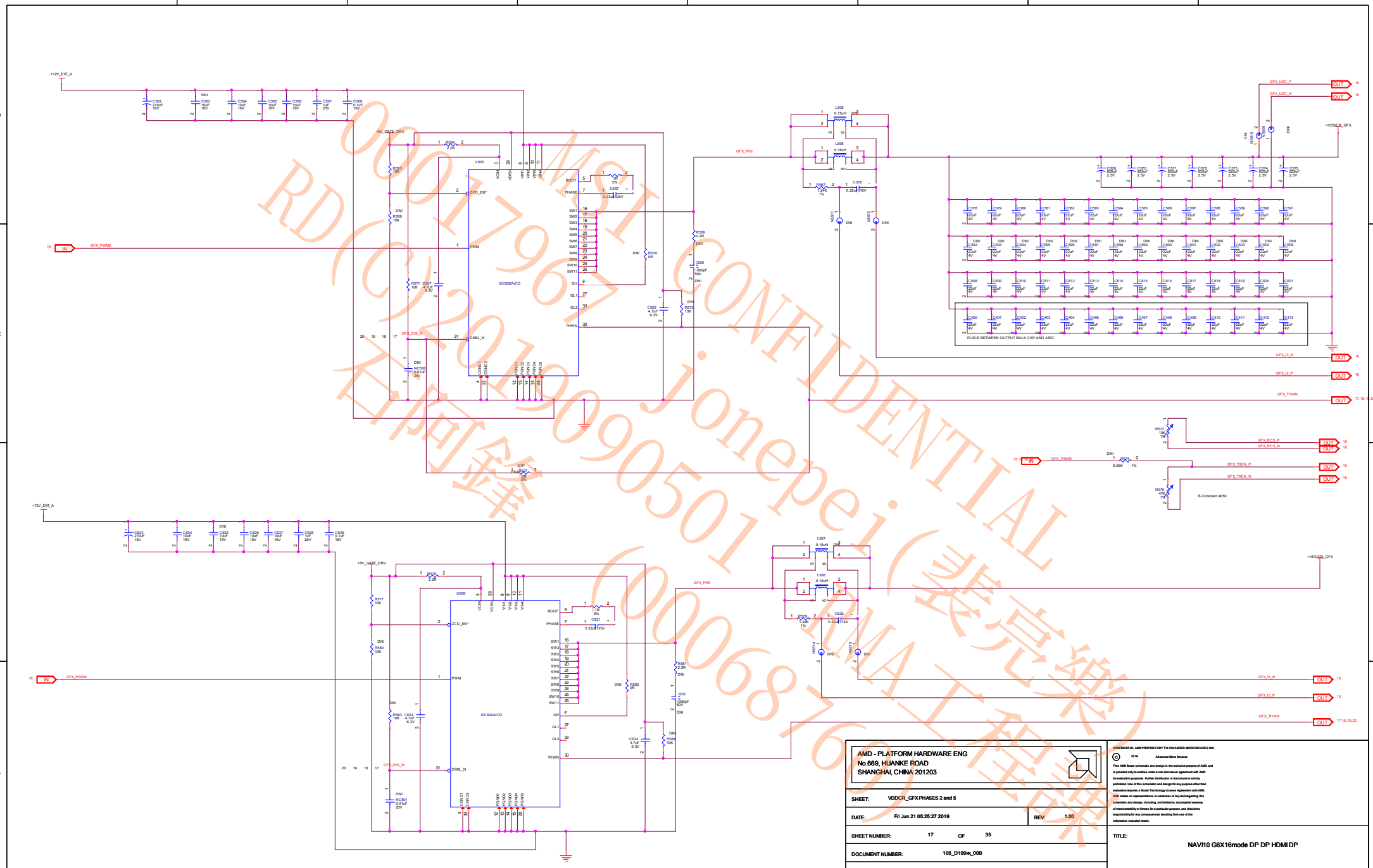
001296 2019090507 (000687 6) RMA工程樣
RD(石同鋒 Lionpei(黃鋒偉)

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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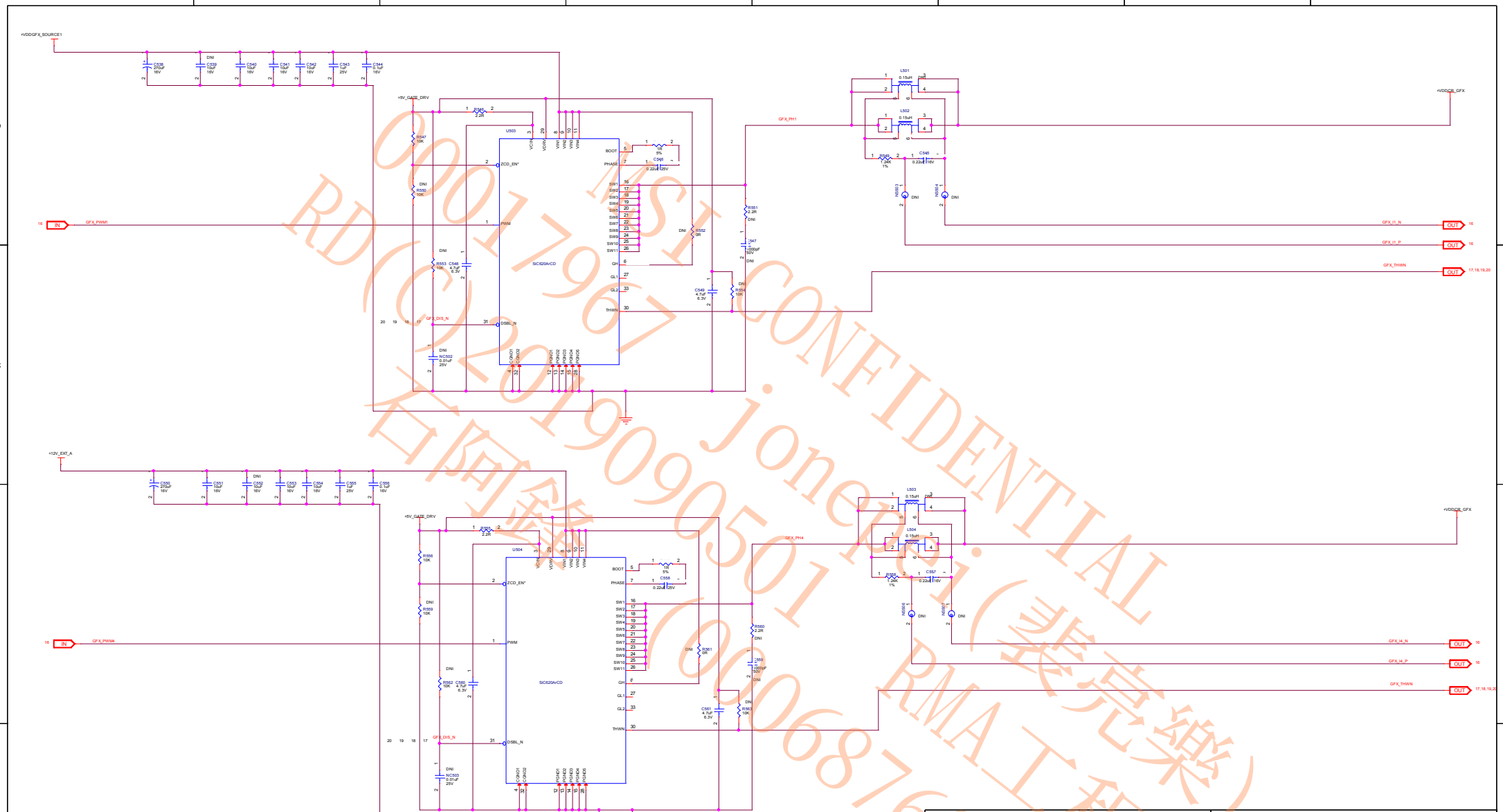
RD(C)2019090501 Jonepei(裴亮樂)
石阿鋒 (00006876) TMA工程樂

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



AMD - PLATFORM HARDWARE ENG
No.669, HUANKE ROAD
SHANGHAI, CHINA 201203

SHEET:	VDDCR_GFX PHASES 1 and 4
DATE:	Fri Jun 21 05:25:28 2019
REV:	1.00
SHEET NUMBER:	18 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
NOTES:	NOTE

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TITLE:
NAVI10 G6X16mode DP DP HDMI DP

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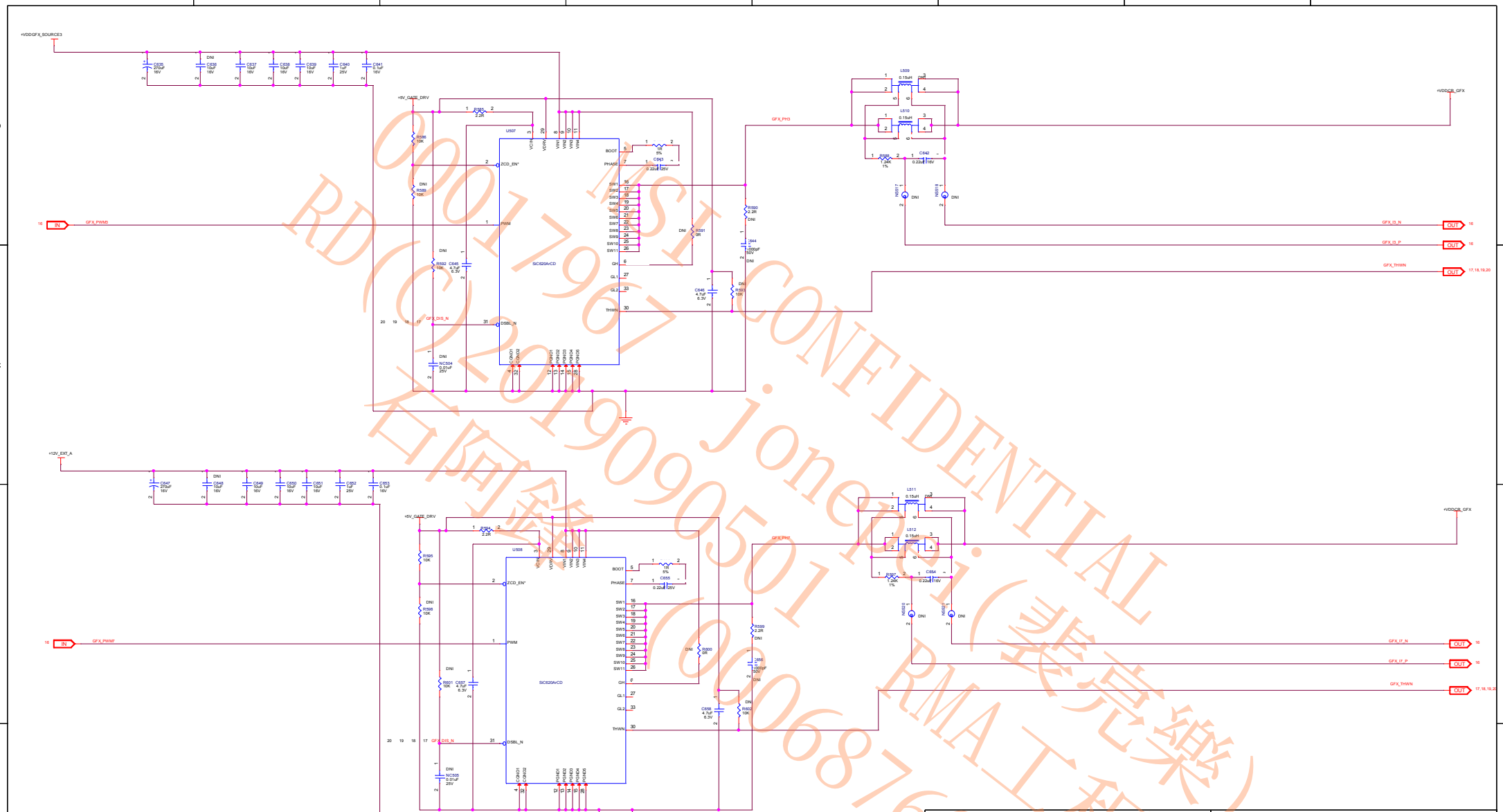
00017967 Jonesin
RD(C)20190905 01
石阿鋒(裴亮樂)
(0010687 6)
RMA工程樂

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



AMD - PLATFORM HARDWARE ENG
No.669, HUANKE ROAD
SHANGHAI, CHINA 201203

SHEET:	VDDCR_GFX PHASES 3 and 7
DATE:	Fri Jun 21 05:25:28 2019
REV:	1.00
SHEET NUMBER:	19 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
NOTES:	NOTE

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TITLE:
NAVI10 G6X16mode DP DP HDMI DP

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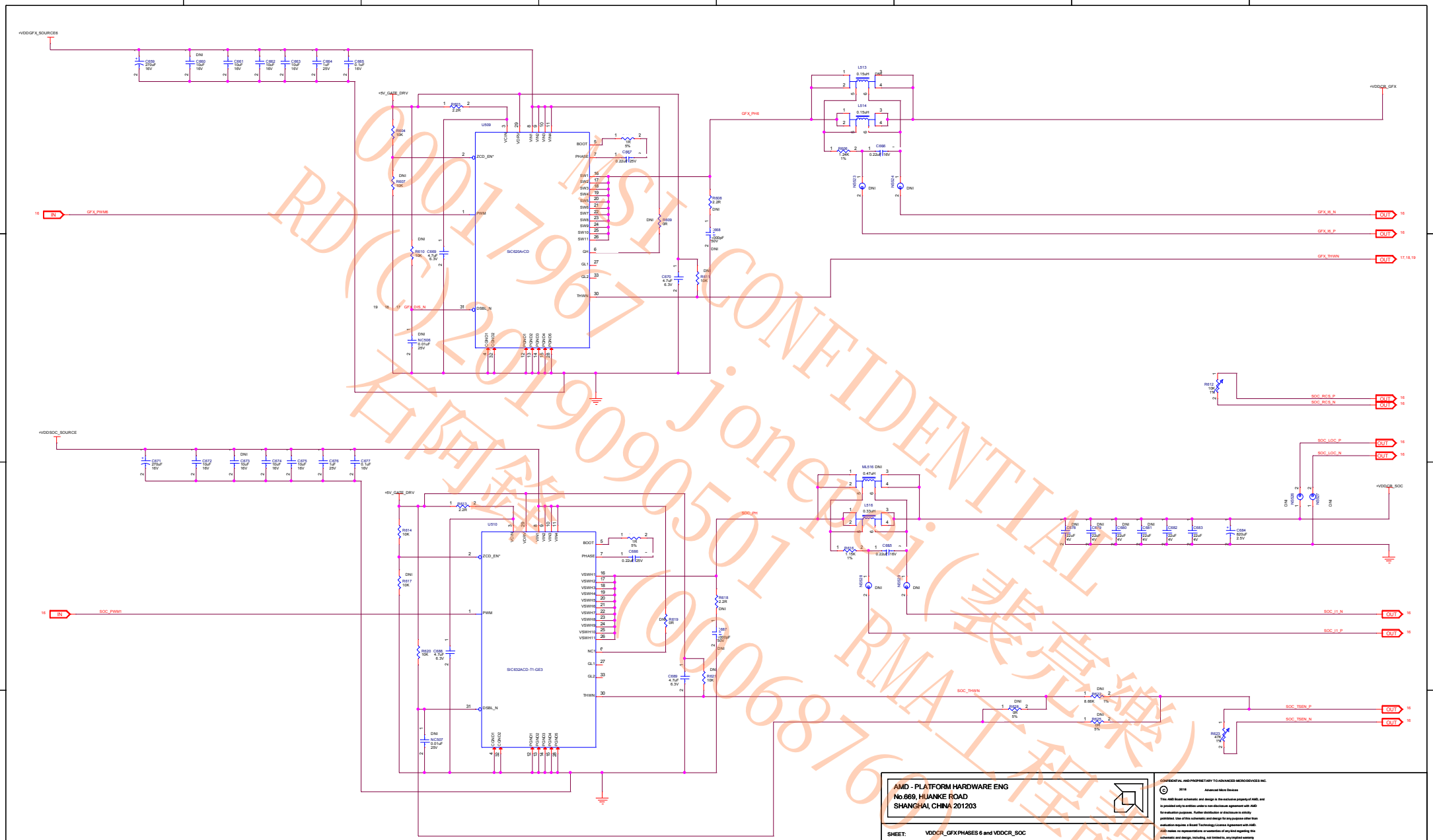
石阿鋒(66006876) RMA工程樂

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



AMD - PLATFORM HARDWARE ENG
No.669, HUANKE ROAD
SHANGHAI, CHINA 201203

SHEET:	VDDCR_GFX PHASES 6 and VDDCR_SOC
DATE:	Fri Jun 21 05:25:29 2019
REV:	1.00
SHEET NUMBER:	20 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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TITLE: NAVI10 G6X16mode DP DP HDMI DP

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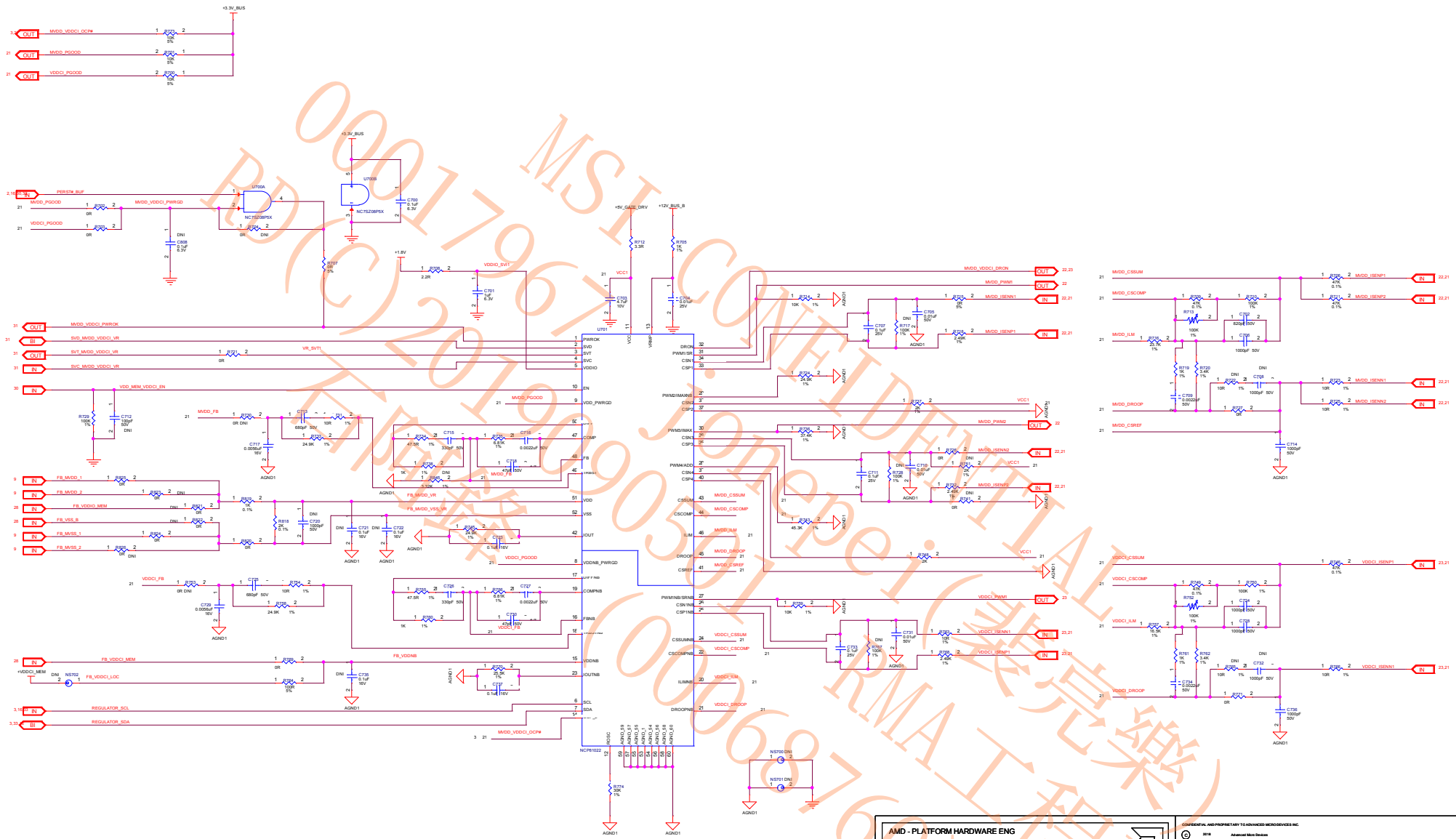
石阿鑫(裴亮樂)
(66006876)
RMA工程樂

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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No.669, HUANKE ROAD
SHANGHAI, CHINA 201203

SHEET:	MVDD_VDDCI CONTROLLER
DATE:	Fri Jun 21 05:25:29 2019
REV:	1.00
SHEET NUMBER:	21 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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TITLE: NAVI10 G6X16mode DP DP HDMI DP

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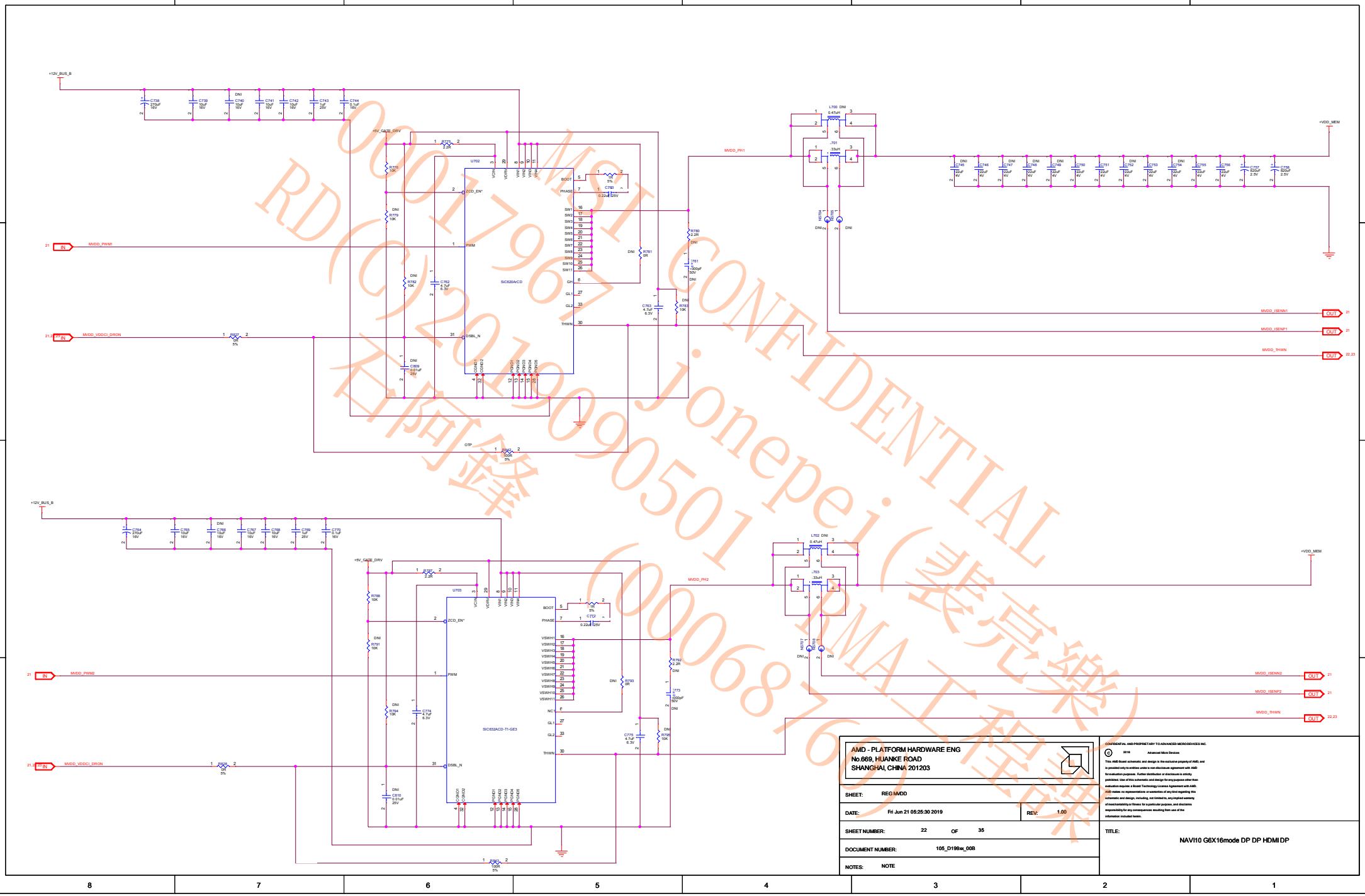
BDC(C)2019 Jinpei(黄亮樂)
不接修 (0000687609) RMA工程樂

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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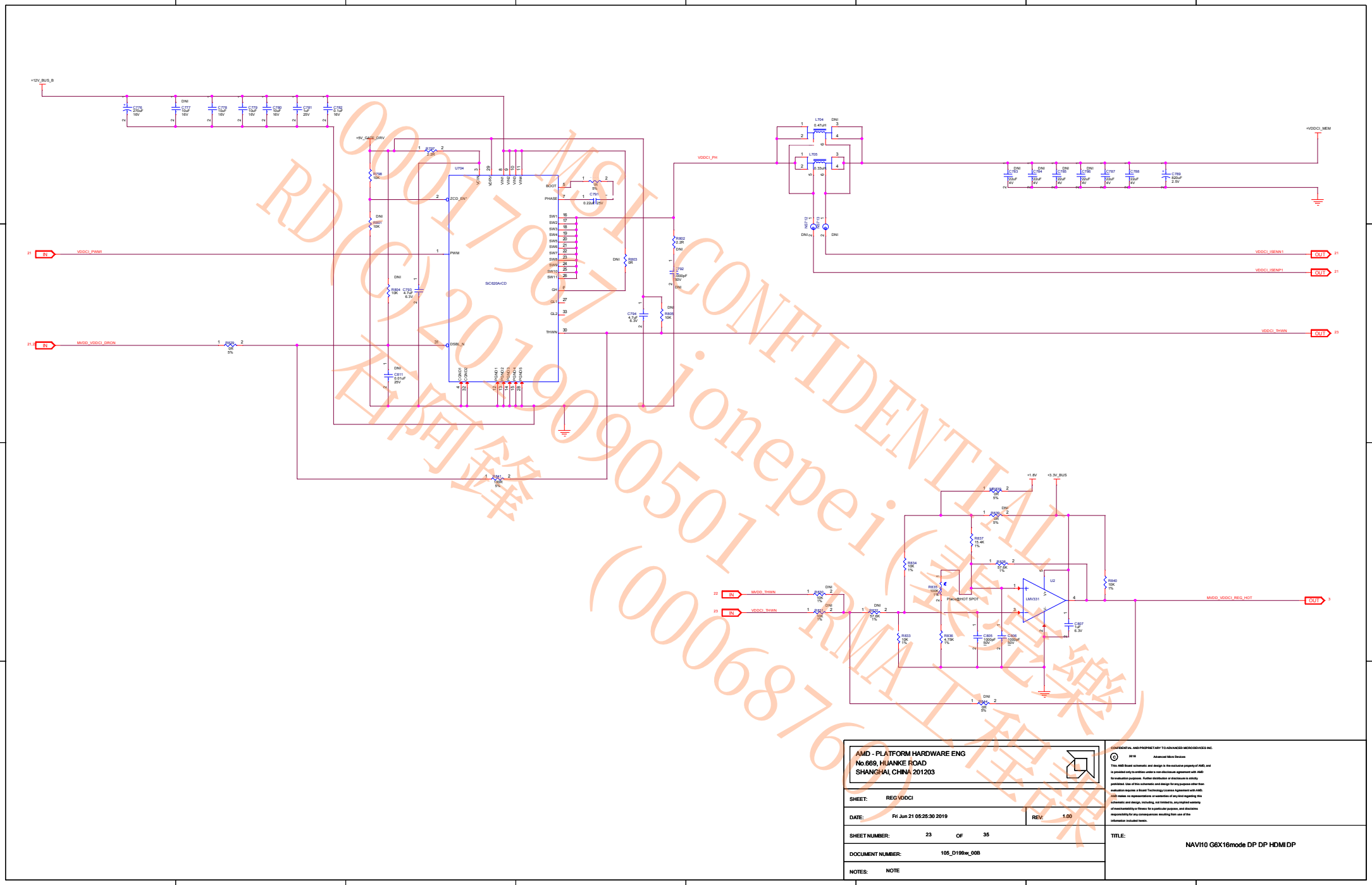
RD(C)20190990501 Jonepei(裴亮樂)
石阿鋒 (00006876) RMA工程樂

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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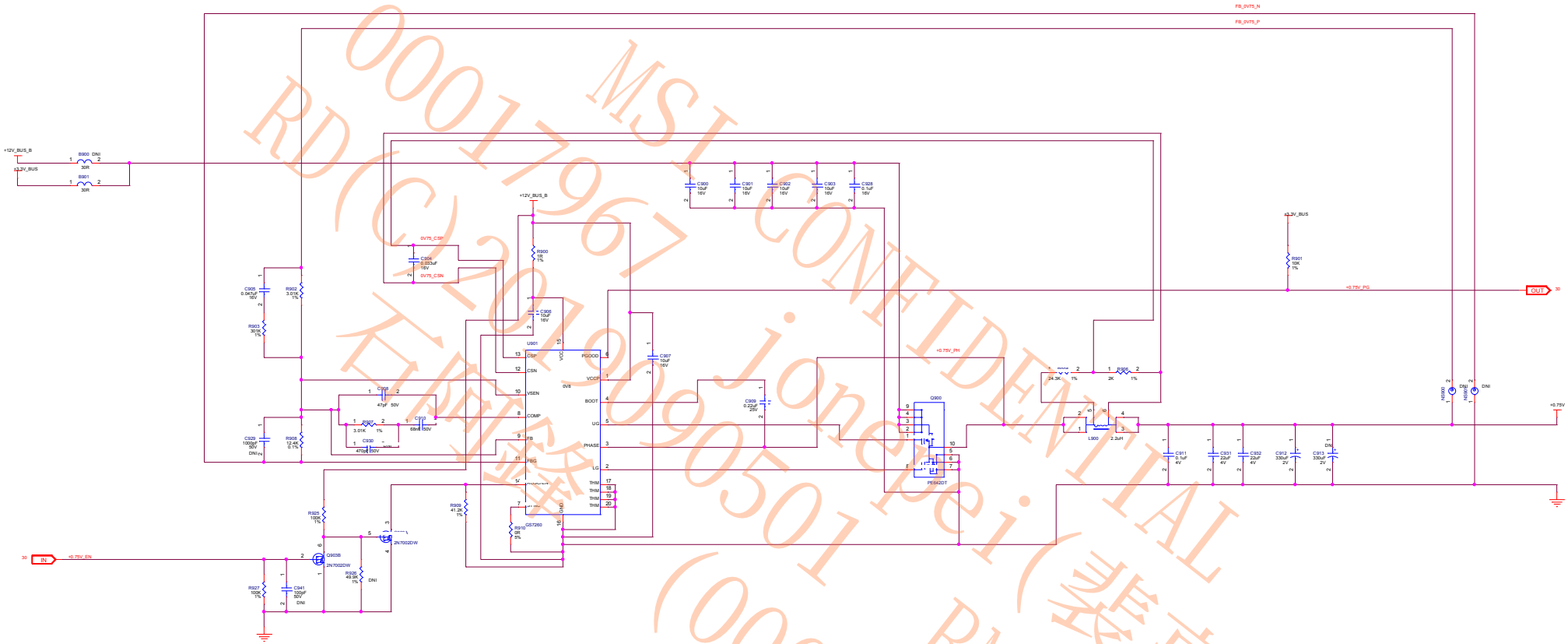
00017987 Jonepei(裴俊樂)
RD(C)2019090501 RMA工程樂
石阿鋒 (00068769)

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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0001796 7 jonepei(裴亮樂)
RD(C)20190501
石頭裝 (00068769)
RMA工程樂

AMD - PLATFORM HARDWARE ENG
No.669, HUANKE ROAD
SHANGHAI, CHINA 201203

SHEET:	REG 0.75V
DATE:	Fri Jun 21 05:25:31 2019
REV:	1.00
SHEET NUMBER:	24 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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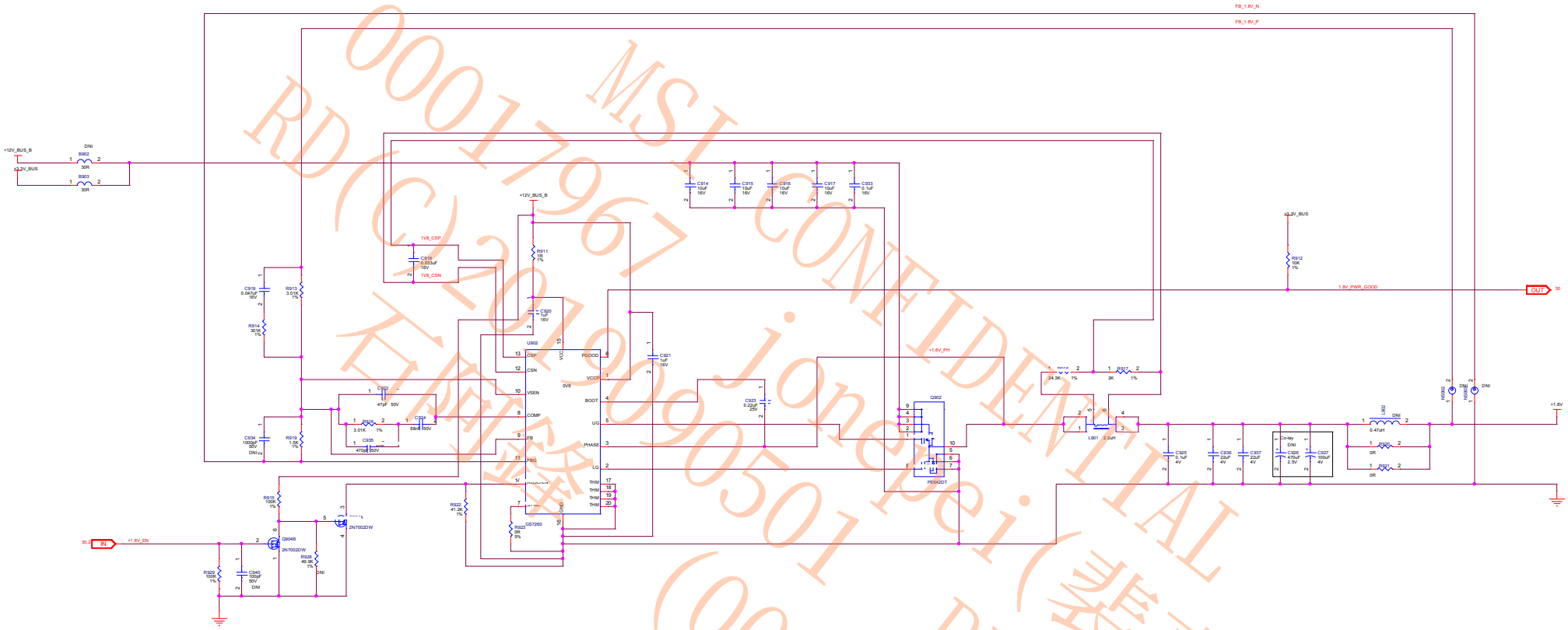
TITLE:
NAVI10 G6X16mode DP DP HDMI DP

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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0001796 7 jonepei(裴亮樂)
RD(C)2019090501
石所錄 RMA工程樂
(0006876)

AMD - PLATFORM HARDWARE ENG
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SHANGHAI, CHINA 201203

SHEET:	REG 1.8V
DATE:	Fri Jun 21 05:25:31 2019
REV:	1.00
SHEET NUMBER:	25 OF 35
DOCUMENT NUMBER:	105_D199x_00B
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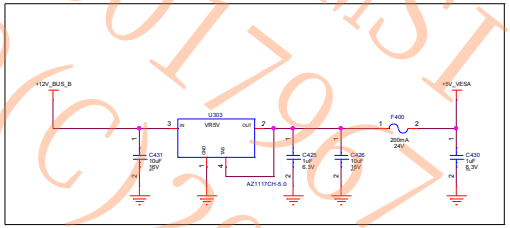
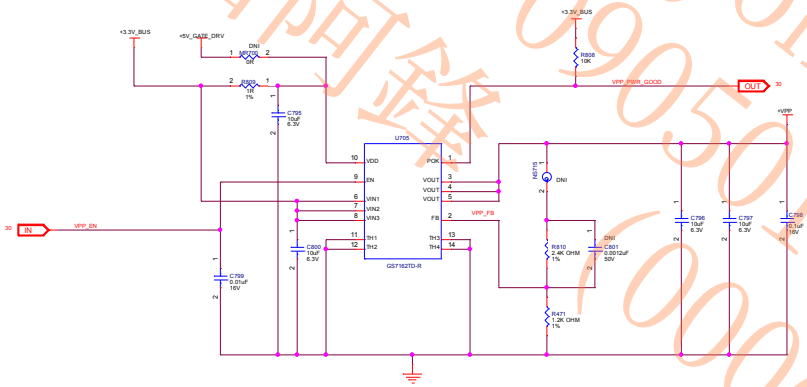
TITLE: NAVI10 G6X16mode DP DP HDMI DP

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!

REGULATOR FOR +5V RAILS

IOUT = 50mA





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No.669, HUANKE ROAD
SHANGHAI, CHINA 201203

SHEET:	SMALL RAIL REGULATORS
DATE:	Fri Jun 21 05:25:32 2019
REV:	1.00
SHEET NUMBER:	26 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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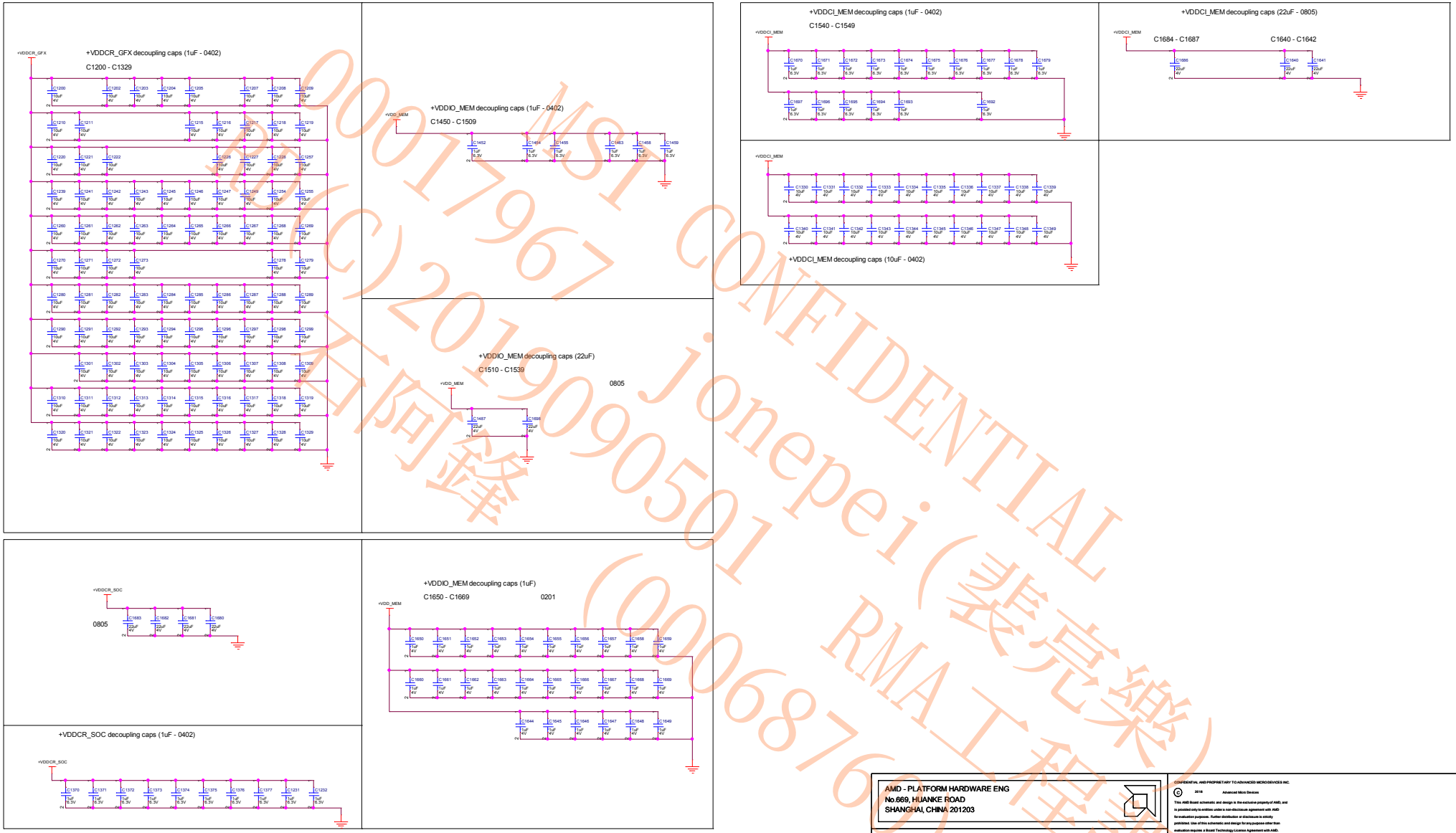
TITLE:

NAVI10 G6X16mode DP DP HDMI DP

MSI CONFIDENTIAL
0001799 7
jonepei(裴亮樂)
RD(C)20190905
RMA工程樂
(0006876)
石阿鋒

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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(C)2019090501 Jonepei(裴亮樂)
(00068769) RMA工程樂
阿石阿鋒

AMD - PLATFORM HARDWARE ENG
No.669, HUANKE ROAD
SHANGHAI, CHINA 201203

SHEET:	NAVI10 DECAPS
DATE:	Fri Jun 21 05:25:32 2019
REV:	1.00
SHEET NUMBER:	27 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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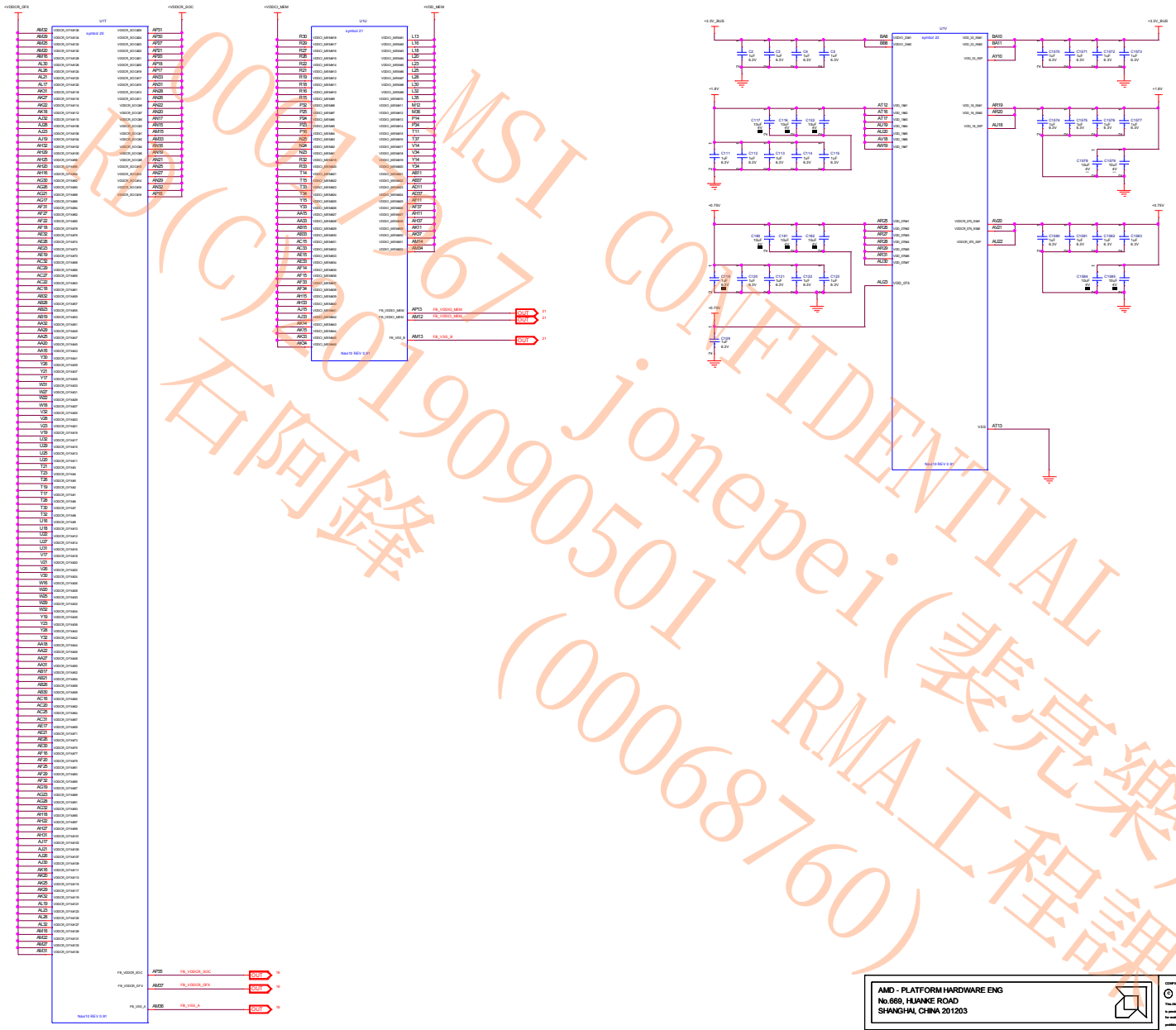
TITLE:
NAVI10 G6X16mode DP DP HDMI DP

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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RMA工程部
(00068760)
RE(C)0190990501
石阿鋒
00067267

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No.669, HUANKE ROAD
SHANGHAI, CHINA 201203

SHEET:	NAVI10 POWER
DATE:	Fri Jun 21 05:25:33 2019
REV:	1.00
SHEET NUMBER:	28 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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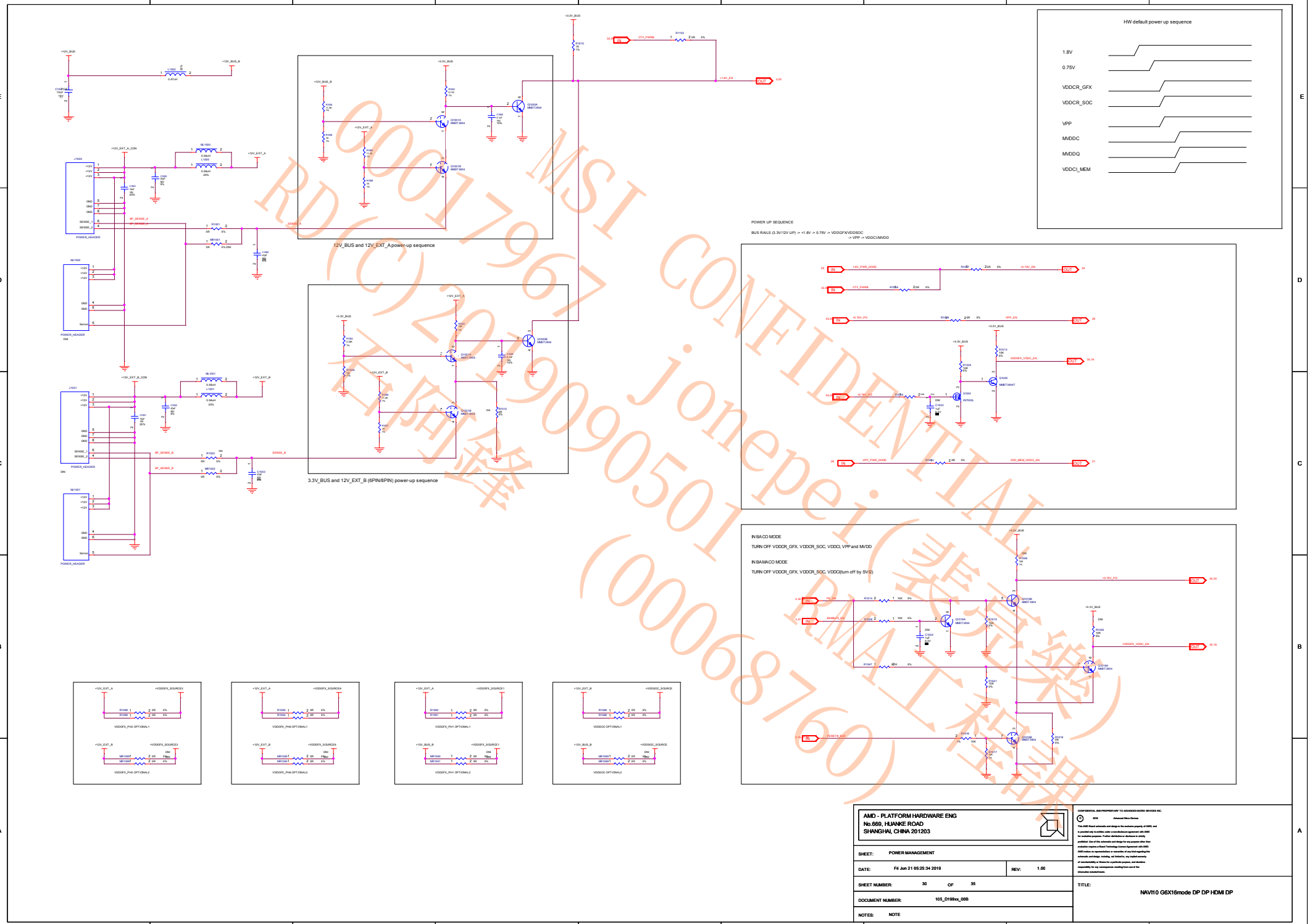
TITLE:
NAVI10 G6X16mode DP DP HDMI DP

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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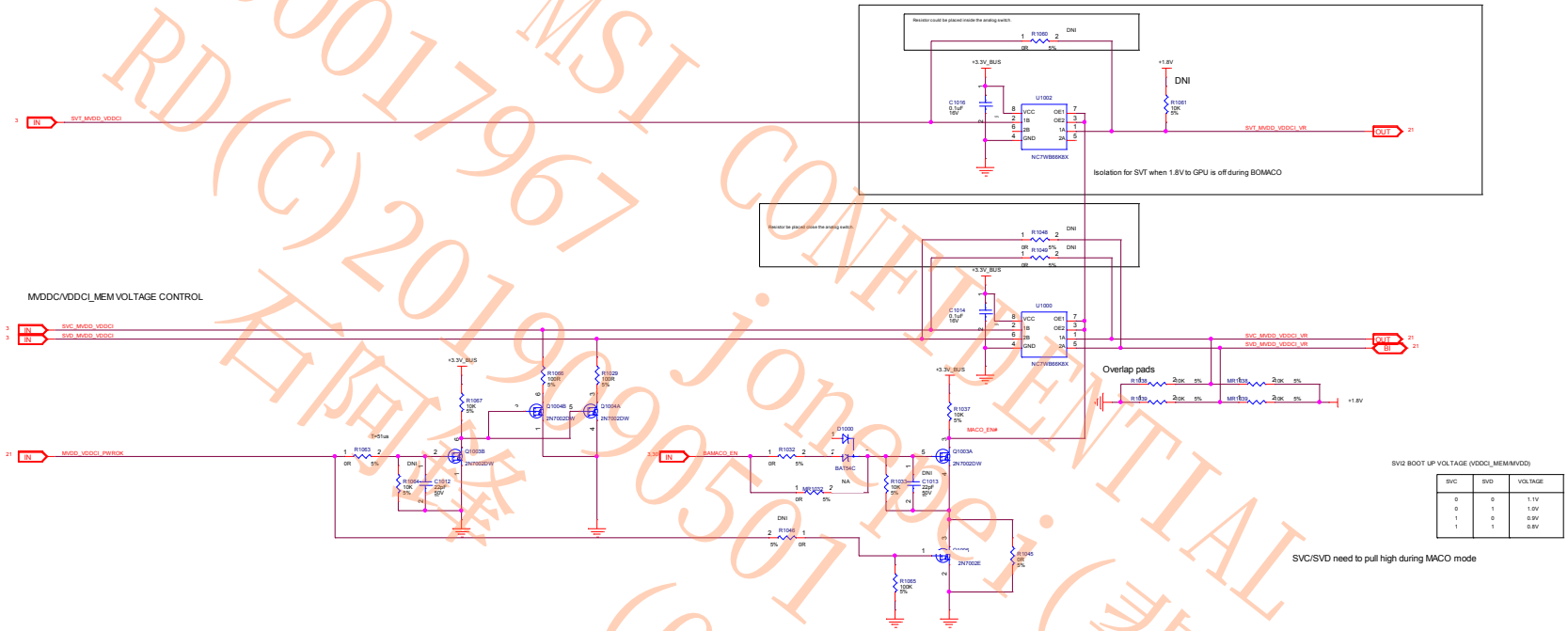
00017967 石阿锋 RMA工程师(00068760)

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



SVC	SVD	VOLTAGE
0	0	1.1V
0	1	1.0V
1	0	0.9V
1	1	0.8V

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No.669, HUANKE ROAD
SHANGHAI, CHINA 201203

SHEET:	SVI2 & BAMACO
DATE:	Fri Jun 21 05:25:34 2019
REV:	1.00
SHEET NUMBER:	31 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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TITLE: NAVI10 G6X16mode DP DP HDMI DP

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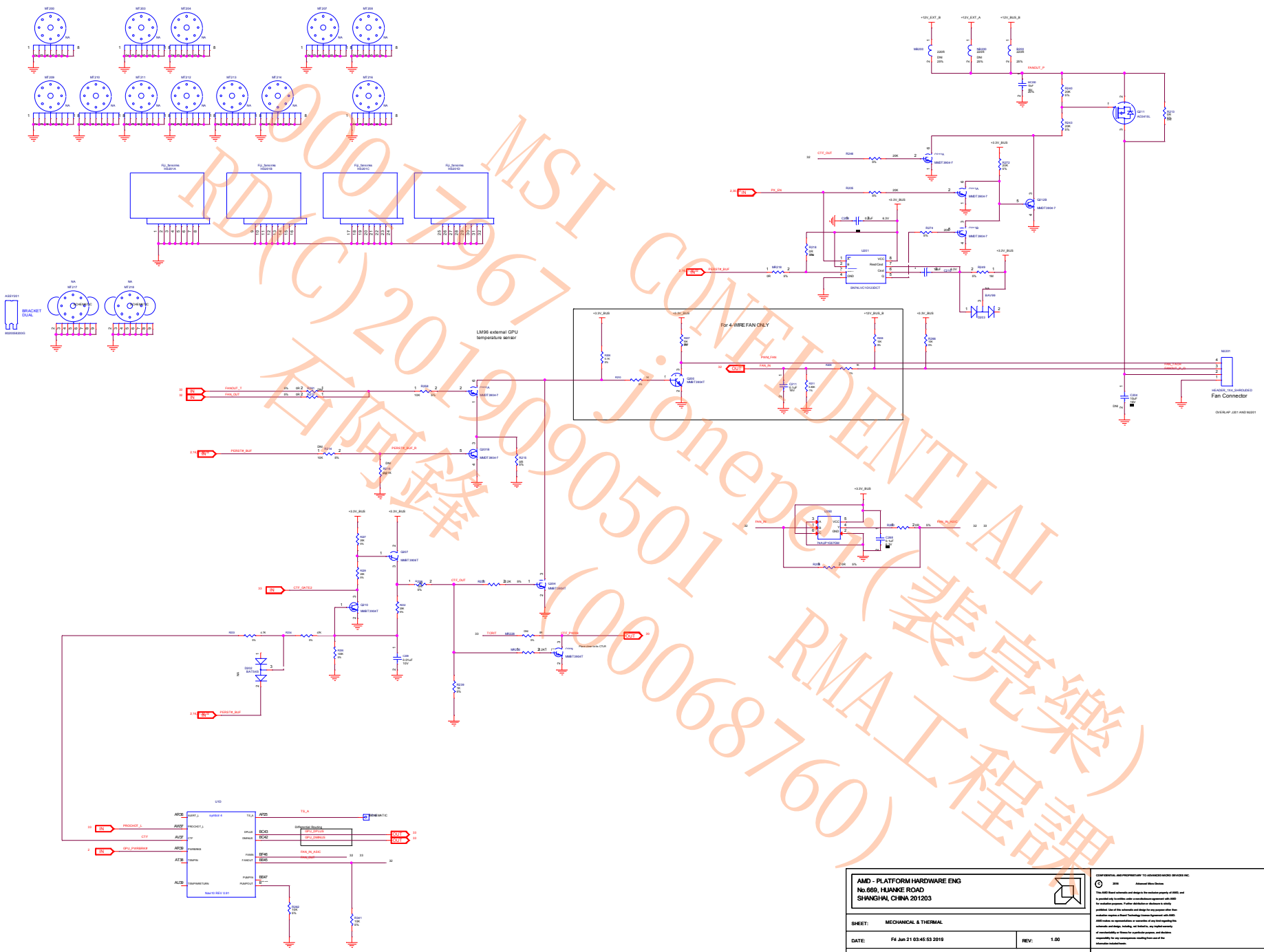
RD(C)20199501 Jonnei(裴亮樂)
石阿姨 (00068769) RMA工程樂
СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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SHANGHAI, CHINA 201203

SHEET:	MECHANICAL & THERMAL
DATE:	Fri Jun 21 03:45:53 2019
REV:	1.00
SHEET NUMBER:	32 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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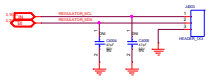
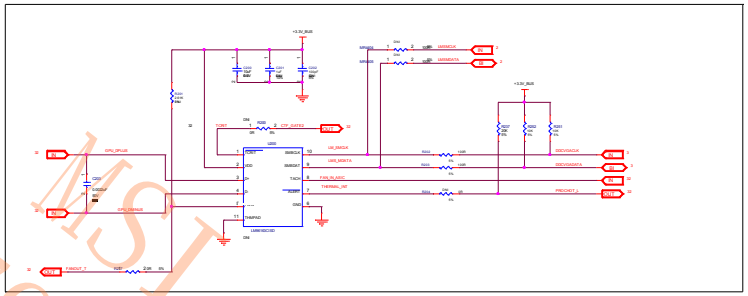
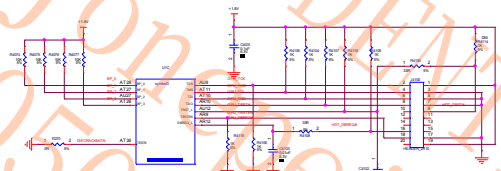
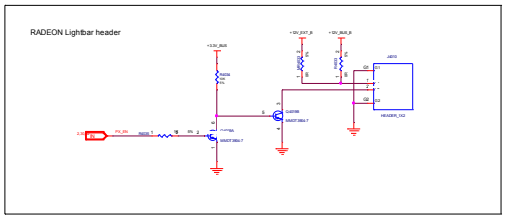
TITLE: NAVI10 G6X16mode DP DP HDMI DP

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!









AMD - PLATFORM HARDWARE ENG
No.889, HUANKE ROAD
SHANGHAI CHINA 201203

SHEET:	DISBUG
DATE: Fri Jun 21 03:45:54 2019	REV: 1.00
SHEET NUMBER: 33	
DOCUMENT NUMBER: 105_D169x_000	

TITLE: NAV110 G6X16mode DP DP HDMI DP

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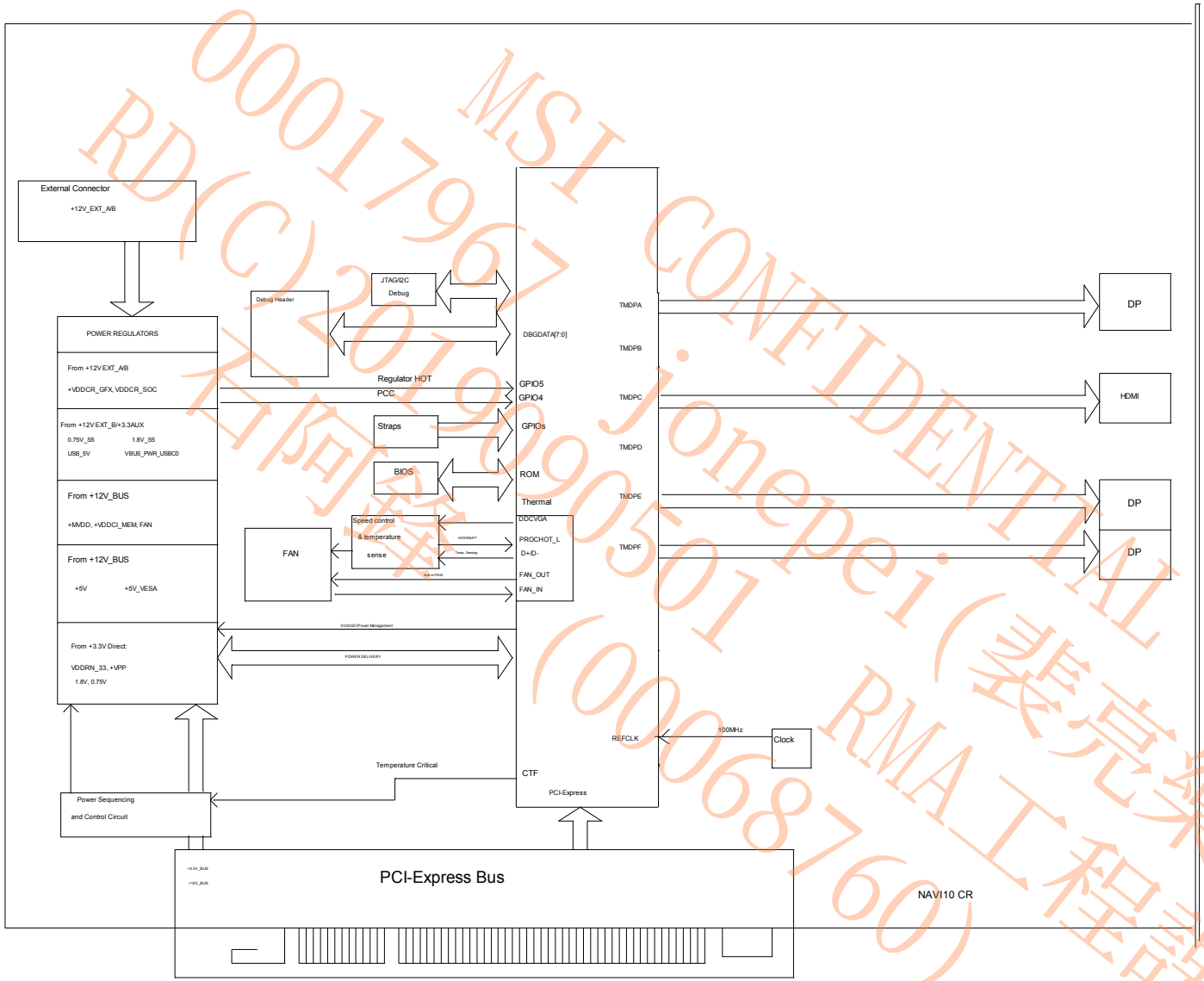
RD(C)20190901 jonnei(裴亮樂)
石阿鋒 RMA工程課
(00068760)

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



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RD(C)20190501 RMA工程部
石阿鑫(00068760)

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SHANGHAI, CHINA 201203

SHEET:	BLOCK DIAGRAM
DATE:	Mon Mar 11 03:18:02 2019
REV:	1.00
SHEET NUMBER:	34 OF 35
DOCUMENT NUMBER:	105_D199xx_00B
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TITLE:
NAVI10 G6X16mode DP DP HDMI DP

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!

AMD	TITLE: NAVI10 G6X16mode DP DP HDMI DP	DOCUMENT NUMBER: 105_D199xx_00B	DATE: Fri Jun 21 03:44:58 2019	SHEET NUMBER: 35 OF 35	REV: 1.00

REVISION HISTORY

ENGINEER: Peak, Dong

NOTES: NOTE

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SCH Rev	PCB Rev	Date	REVISION DESCRIPTON
1	-00A	FEB 11 2019	-00A schemactics
2	-00B	JUN 21 2019	ADD PULL HIGH ON THE PWRBRKB

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