

P
R
E
L
I
M
I
N
A
R
Y

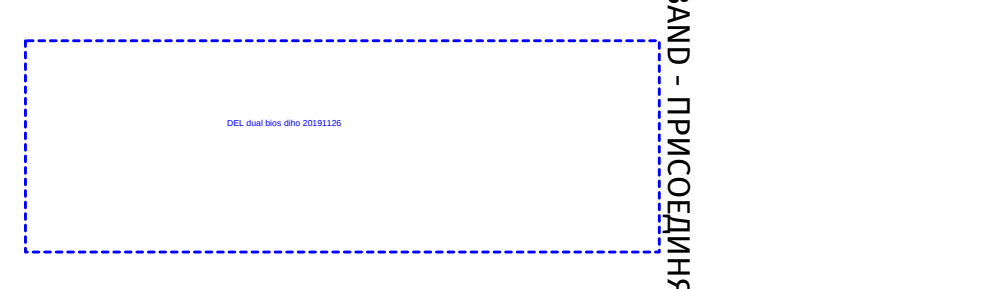
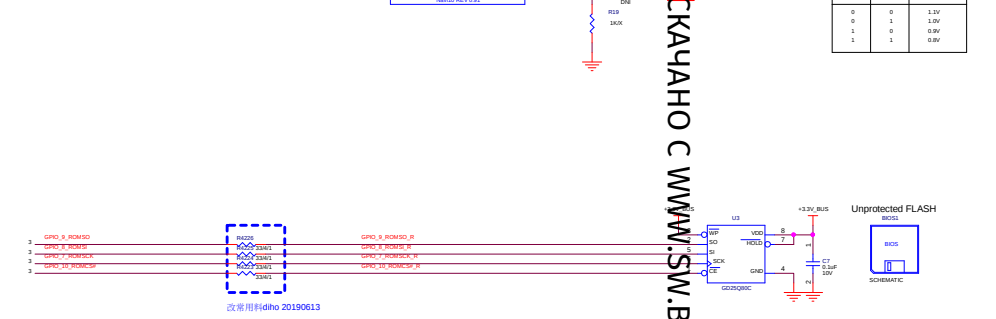
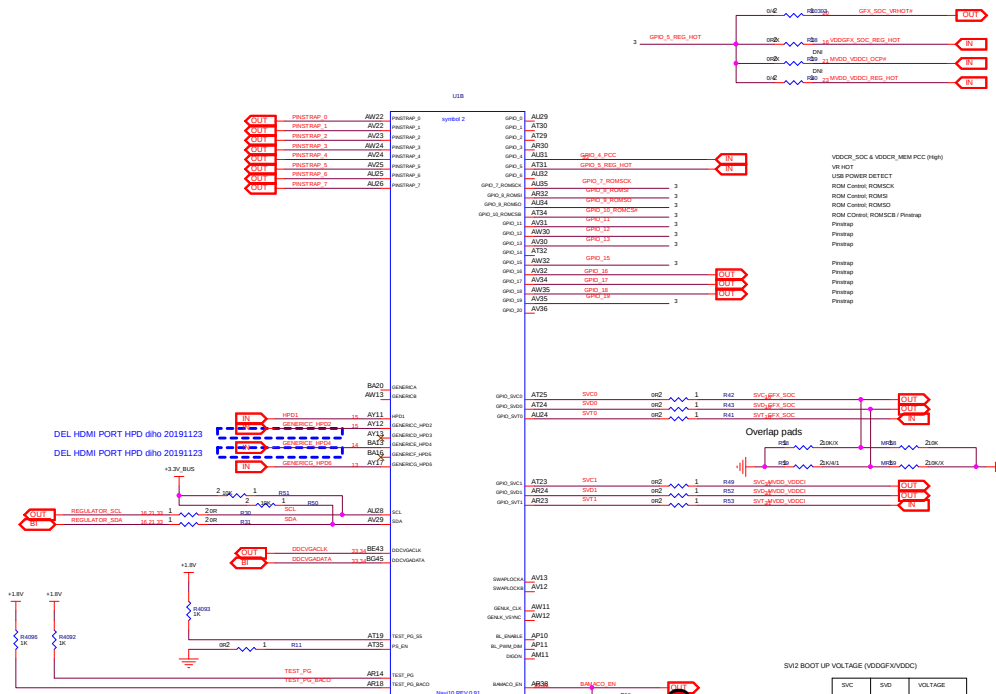
A
N
D

S
U
B
S
E
Q
U
E
N
T
I
A
L

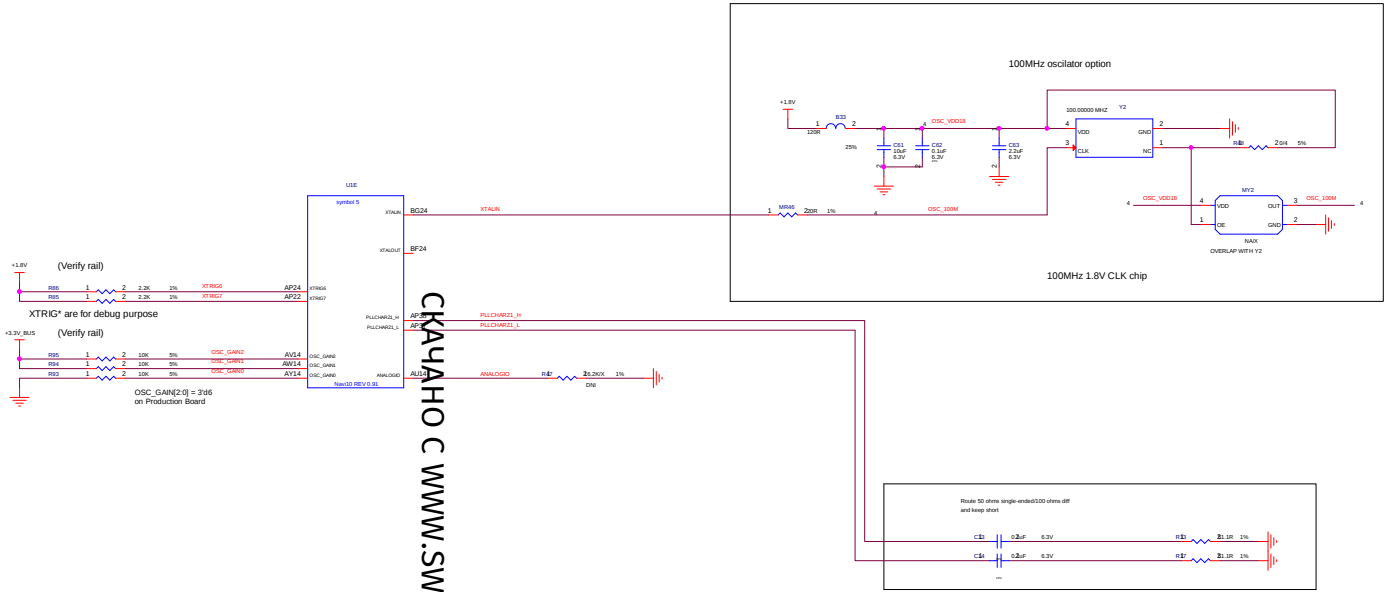
C
A
C
H
O
F
T
H
E
S
E
S
H
E
E
T
S
I
S
S
U
E
D
I
N
S
E
R
I
A
L
O
R
D
E
R
A
N
D
-
P
R
I
S
O
E
D
I
N
Y
A
S
Y
A

TABLE OF CONTENTS

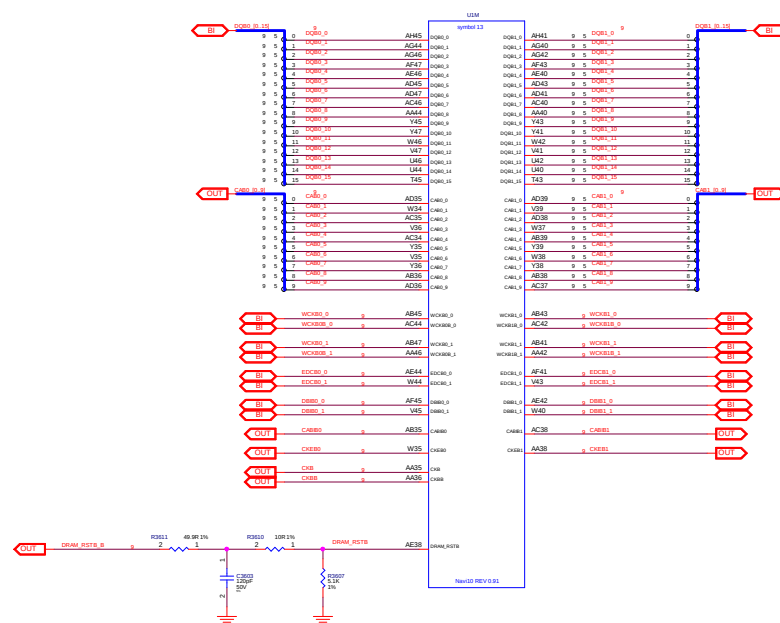
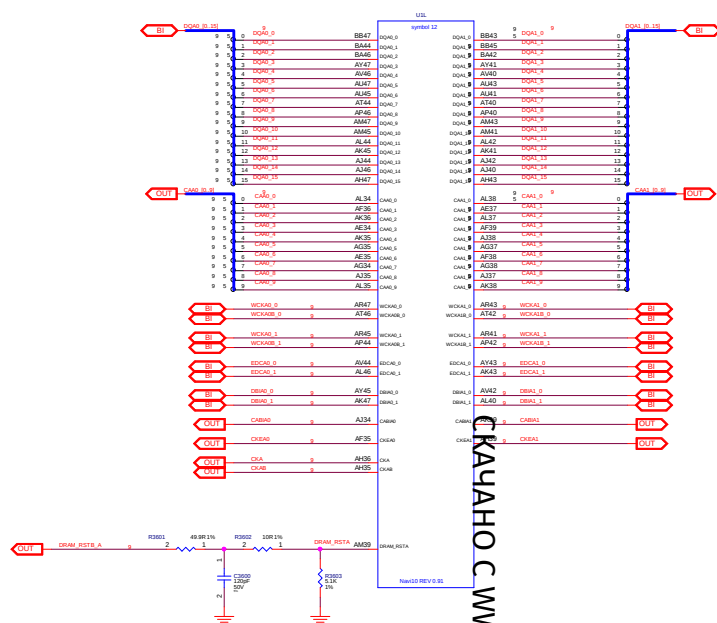
SHEET NO.	SHEET NAME	SHEET NO.	SHEET NAME
1	TOC	26	SMALL RAIL REGULATORS
2	NAV10 PCIe Interface	27	NAV10 DECAPS
3	NAV10 GPIOs	28	NAV10 POWER
4	NAV10 XTAL	29	NAV10 GND
5	NAV10 MEM CHAB	30	POWER MANAGEMENT
6	NAV10 MEM CHCD	31	SVI2 & BAMACO
7	NAV10 MEM CHEF	32	MECHANICAL & THERMAL
8	NAV10 MEM CHGH	33	DEBUG
9	GDDR6 MEM CHAB	34	BLOCK DIAGRAM
10	GDDR6 MEM CHCD	35	REVISION HISTORY
11	GDDR6 MEM CHEF		
12	GDDR6 MEM CHGH		
13	NAV10 TMDPA - DP		
14	NAV10 TMDPC - HDMI		
15	NAV10 TMDPEF - DP DP		
16	GFX & SOC CONTROLLER		
17	VDDCR_GFX PHASES 2 and 5		
18	VDDCR_GFX PHASES 1 and 4		
19	VDDCR_GFX PHASES 3 and 7		
20	VDDCR_GFX PHASES 6 and VDDCR_SOC		
21	MVDD_VDDCI CONTROLLER		
22	REG MVDD		
23	REG VDDCI		
24	REG 0.75V		
25	REG 1.8V		



User	Internal Default Value	Definition
BIF	0	STRAP_BIF_GEN4_DIS_A 0: PCw GEN4 supported 1: PCw GEN4 not supported
	0	PINSTRAP_BIF_CLK_PM_EN 0: CLARISQ power management capability is disabled 1: CLARISQ power management capability is enabled
	0	PINSTRAP_BIF_LC_TX_SWING 0: VGA controller capability enabled 1: The device won't be recognized as the system's VGA controller
	0	PINSTRAP_BIF_VGA_DIS 0: VGA controller capability enabled 1: The device won't be recognized as the system's VGA controller
DCE	0	PINSTRAP_AUD_PORT_CONN[2:0] Number of audio-capable display outputs 0: All endpoints connected 1: 5 endpoints connected 2: 4 endpoints connected 3: 4 endpoints connected 4: 3 endpoints connected 5: 2 endpoints connected 6: 2 endpoints connected 7: 0 endpoints connected
	0	PINSTRAP_AUD[1:0] 1: Audio for DisplayPort only 2: Audio for DisplayPort and HDMI if display is detected 3: Audio for DisplayPort and native HDMI
	0	
	0	
Platform	0	
	0	
	0	
	0	
SMU	1	
	0	
	1	
	1	



СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ



СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ

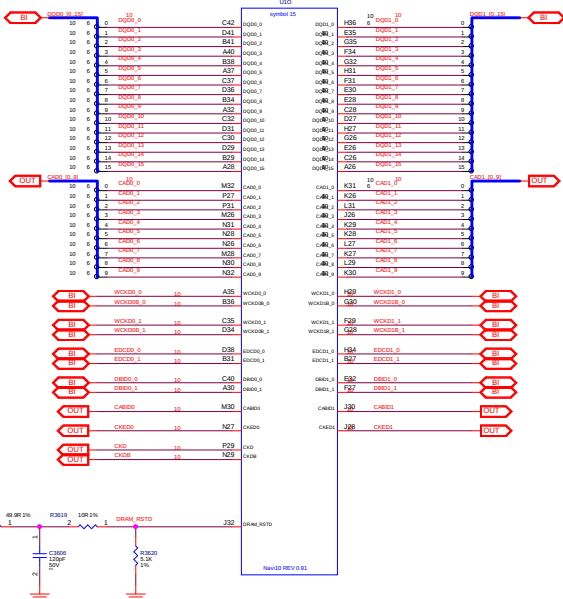
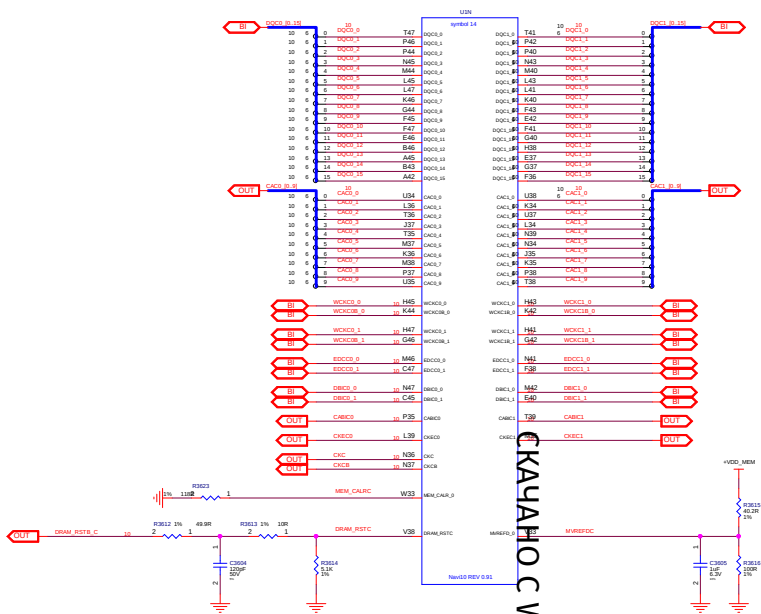
P
R
E
L
I
M
I
N
A
R
Y

A
N
D

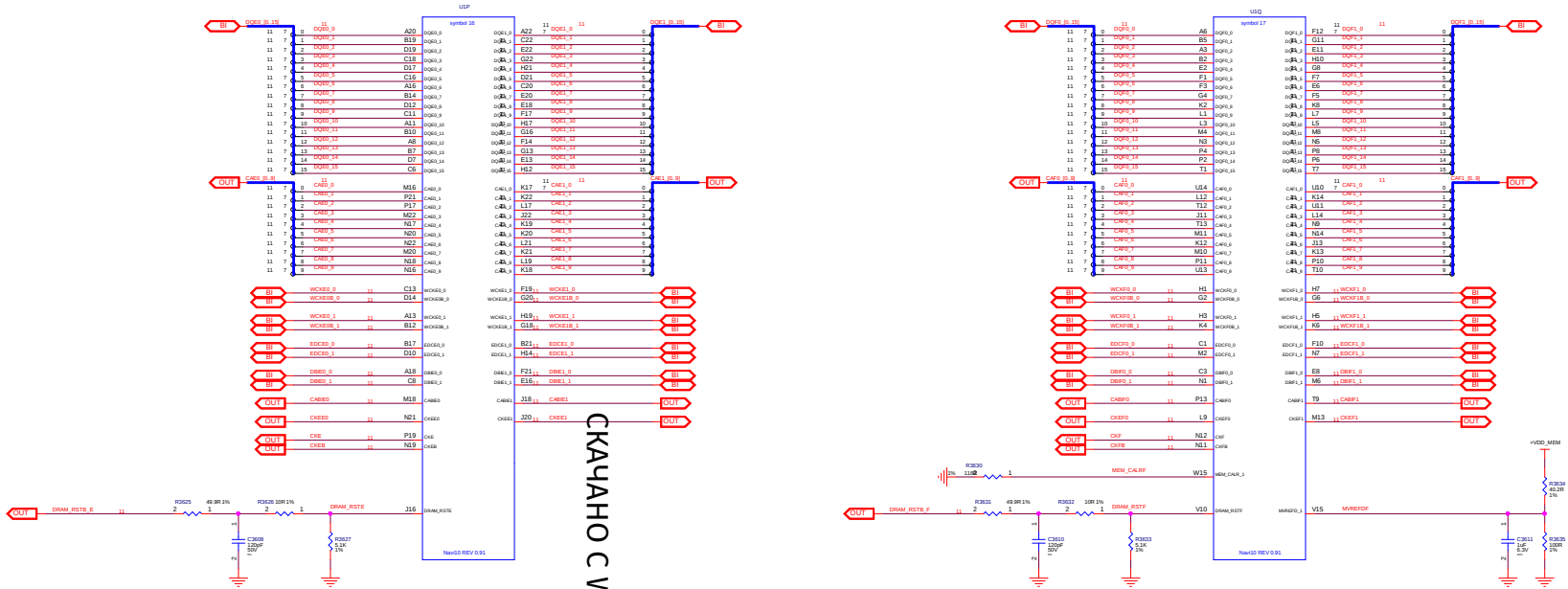
S
U
B
J
E
C
T

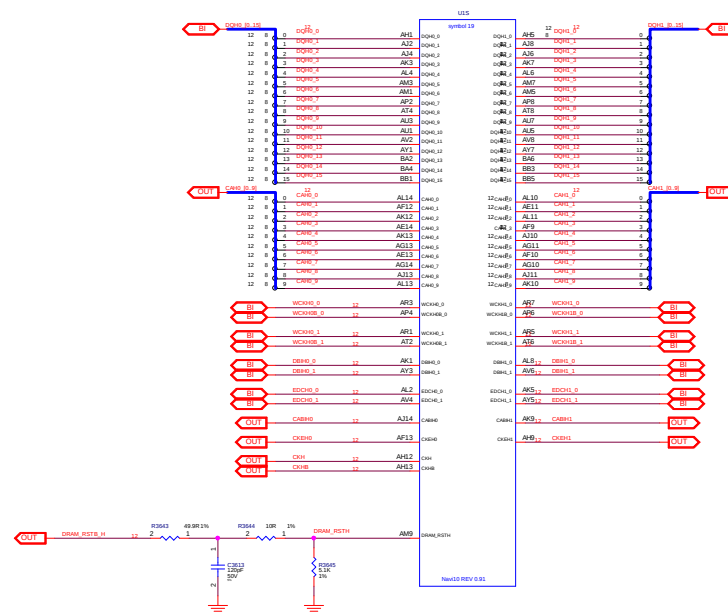
T
O

C
H
A
N
G
E



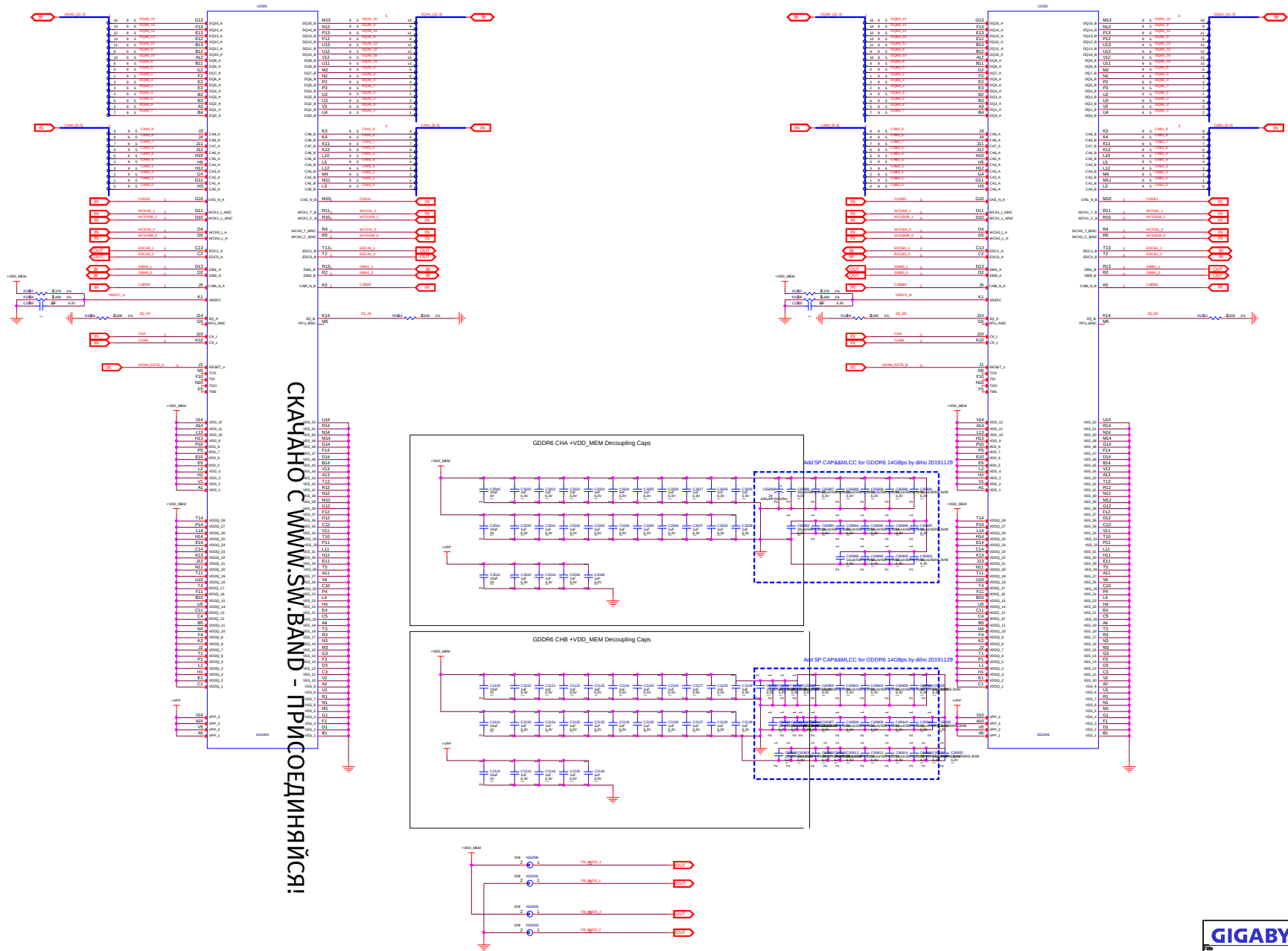
СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ



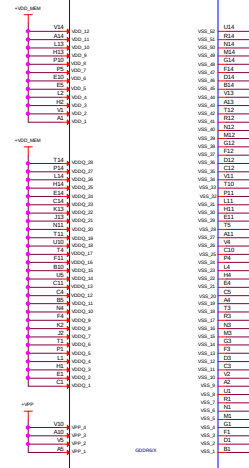
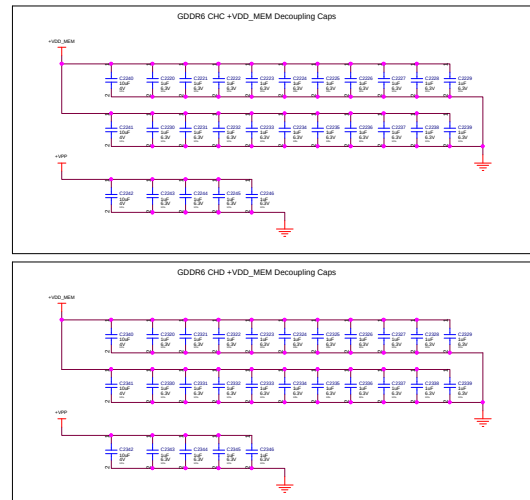
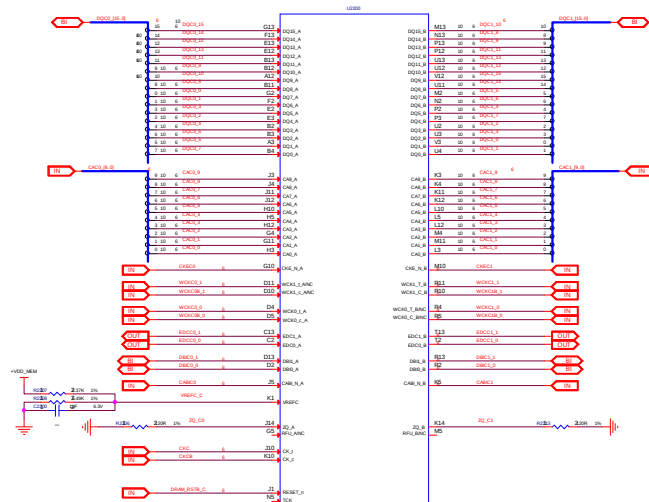


GDDR6x16 CHAB Memory

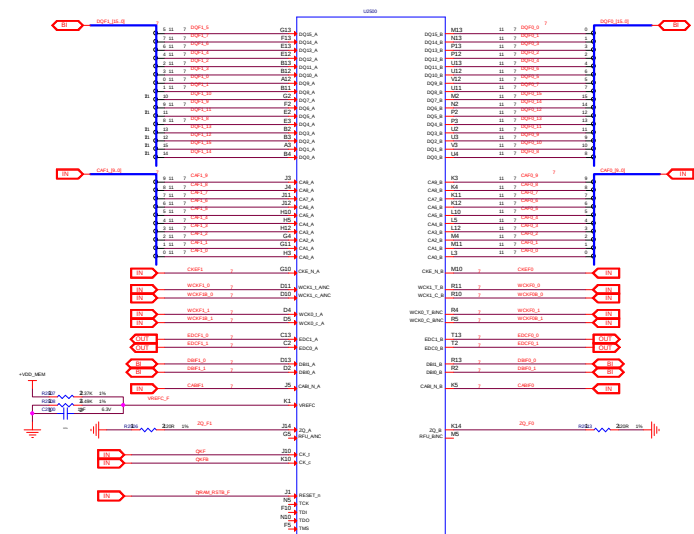
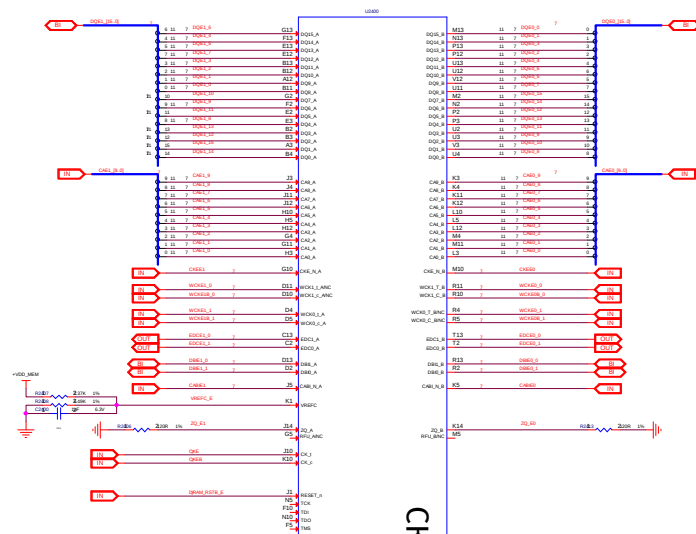
PRELIMINARY AND SUBJECT TO CHANGE



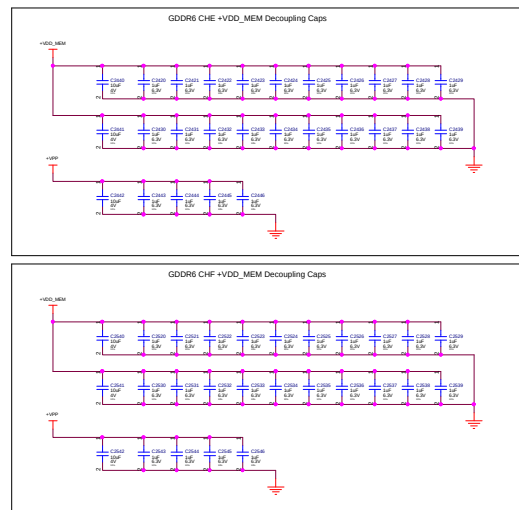
СКАЧАНО С WWW.SV.BAND - ПРИСОЕДИНЯЙСЯ!

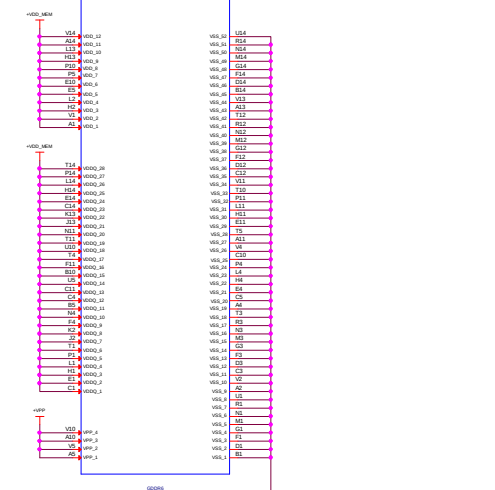
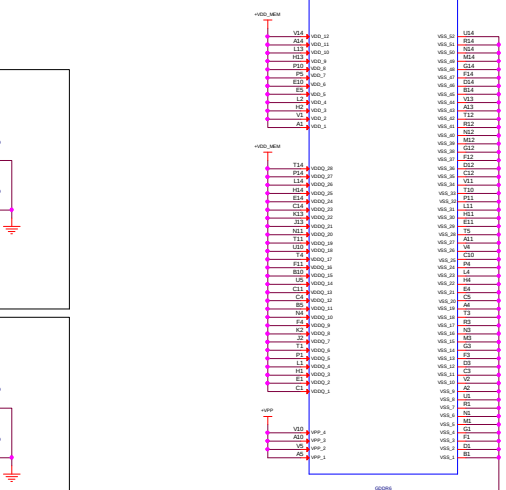
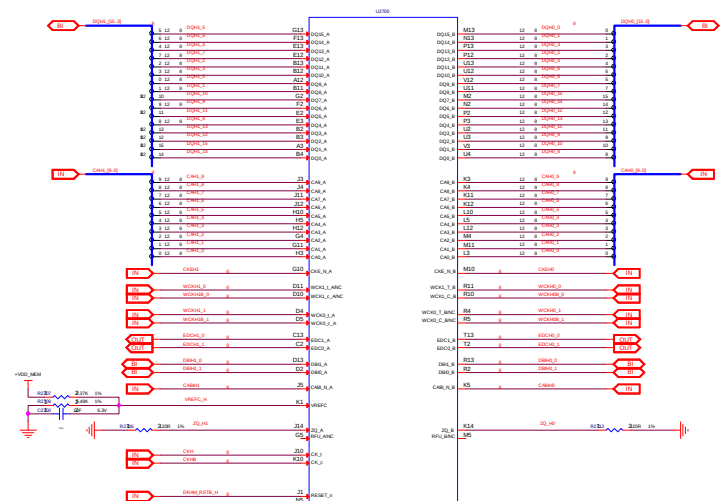


СКАЧАНО С WWW.SW.BAND-ПРИСОЕДИНЯЙСЯ!

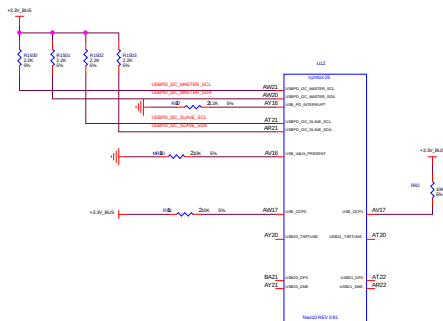


СКАЧАНО С WWW.SV.BAND - ПРИСОЕДИНЯЙСЯ!





СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!



NAVI10 TMDP A/B

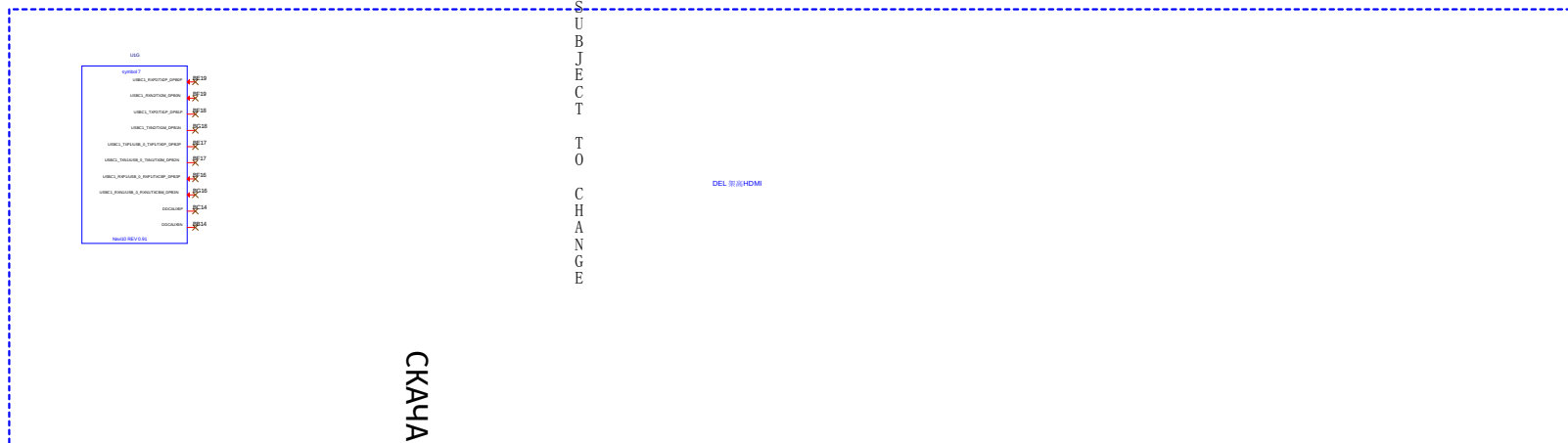
P
R
E
L
I
M
I
N
A
R
Y

A
N
D

S
U
B
J
E
C
T

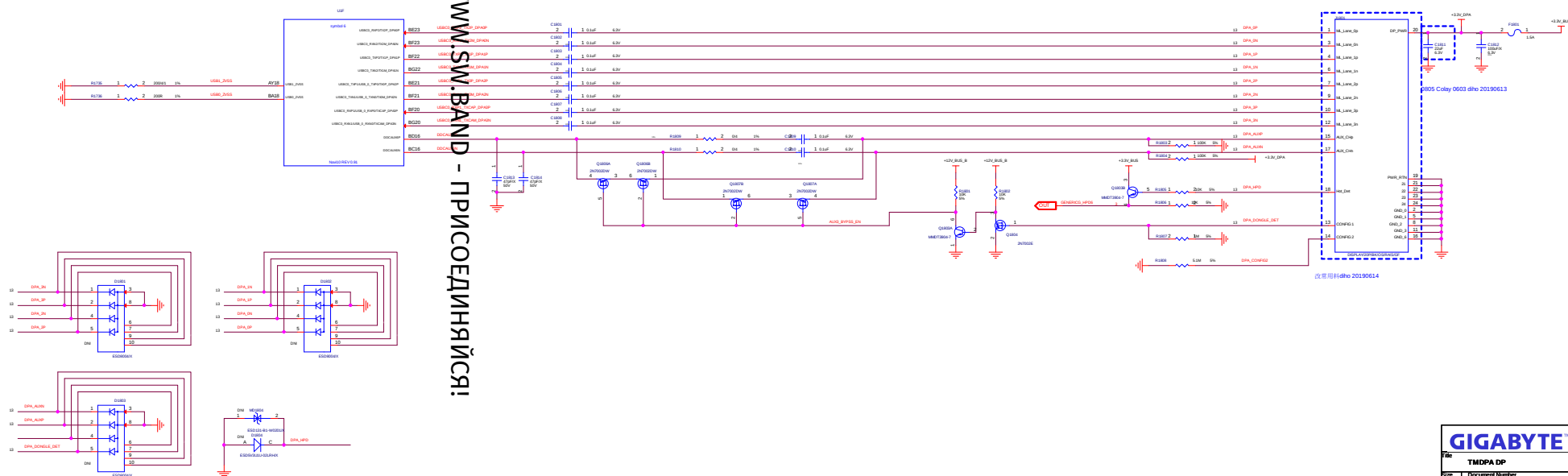
T
O

C
H
A
N
G
E

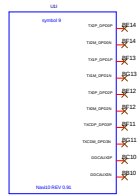


DEL 9 (HDMI)

СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!

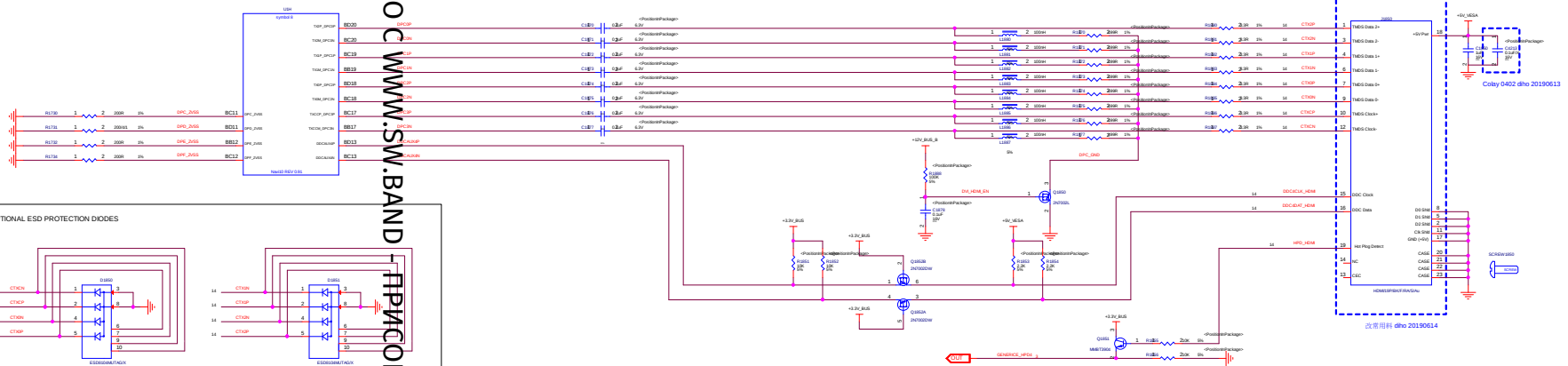


NAVI10 TMDP C/D

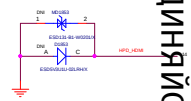
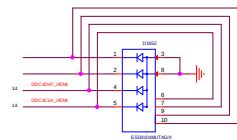
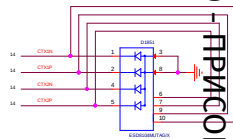
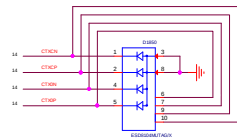


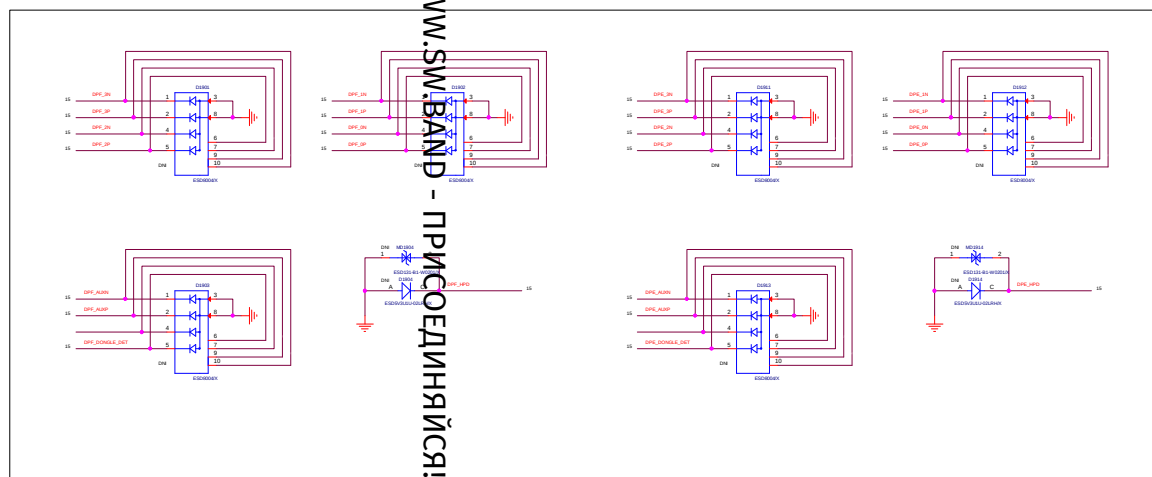
DEL 架高HOMI

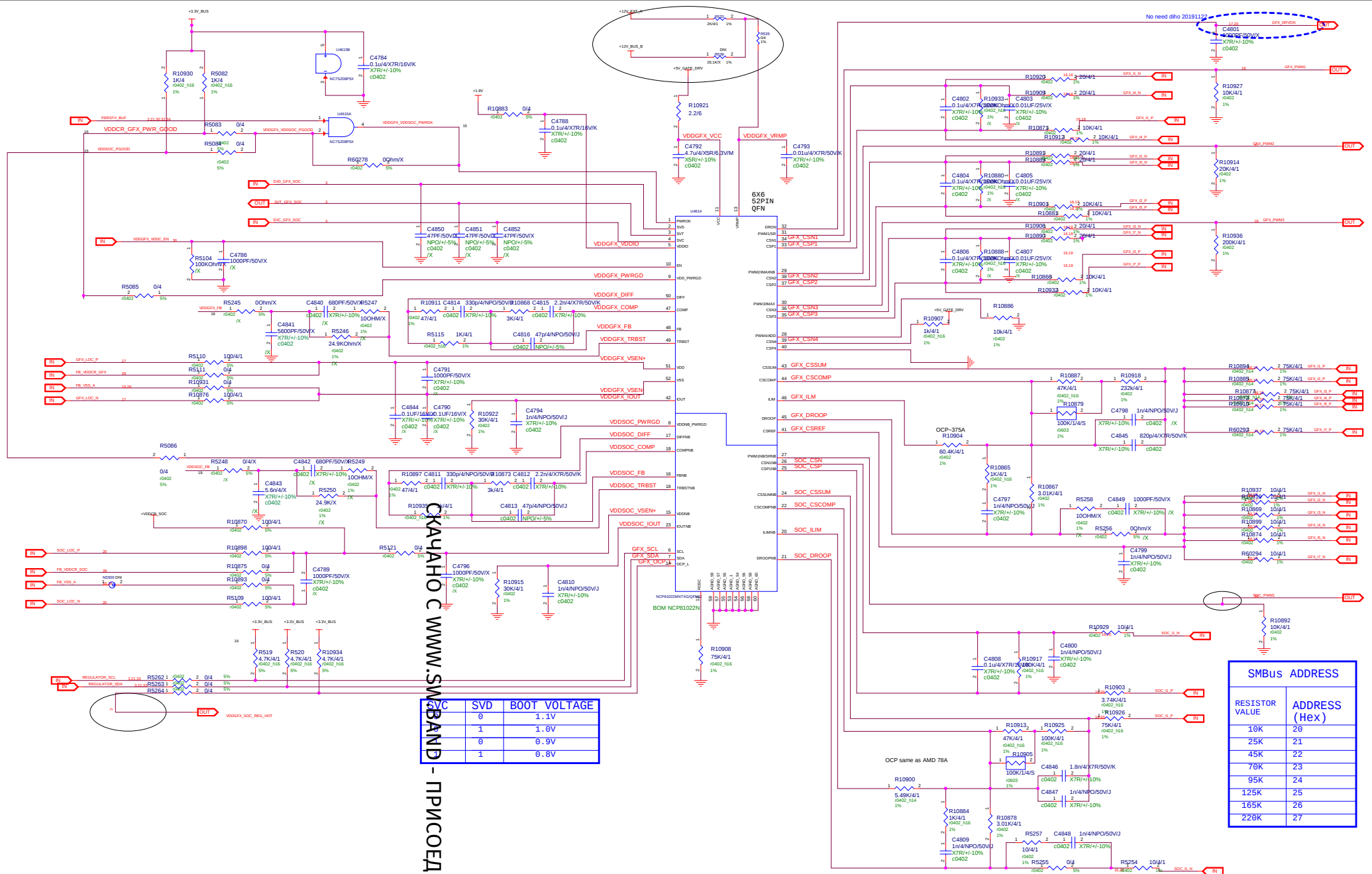
СКАЧАНО С WWW.SW.BAND -ПРИСОЕДИНЯЙСЯ!

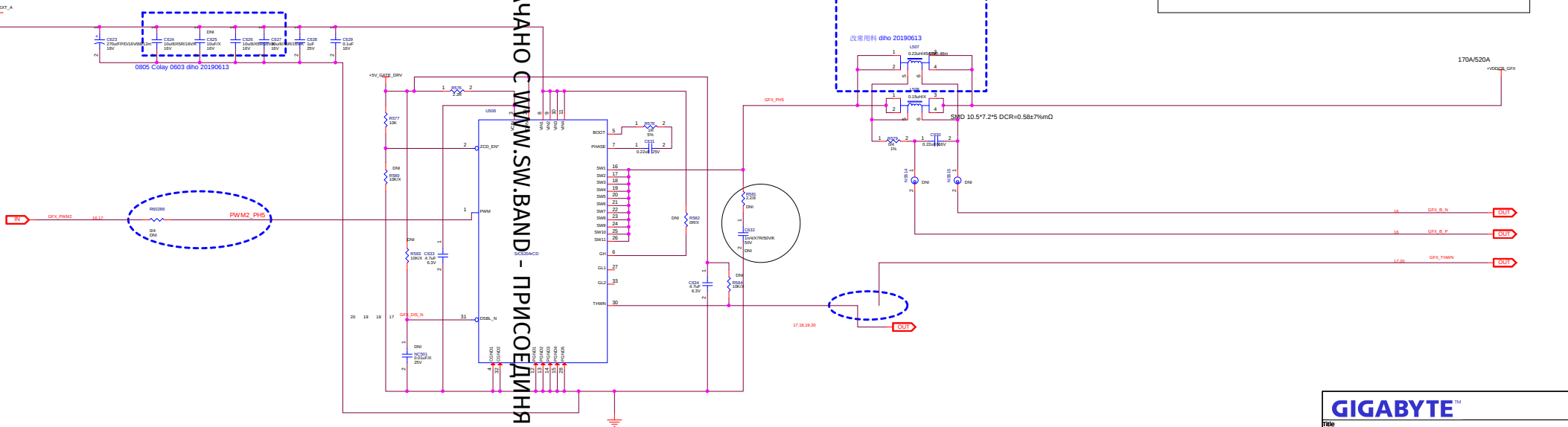
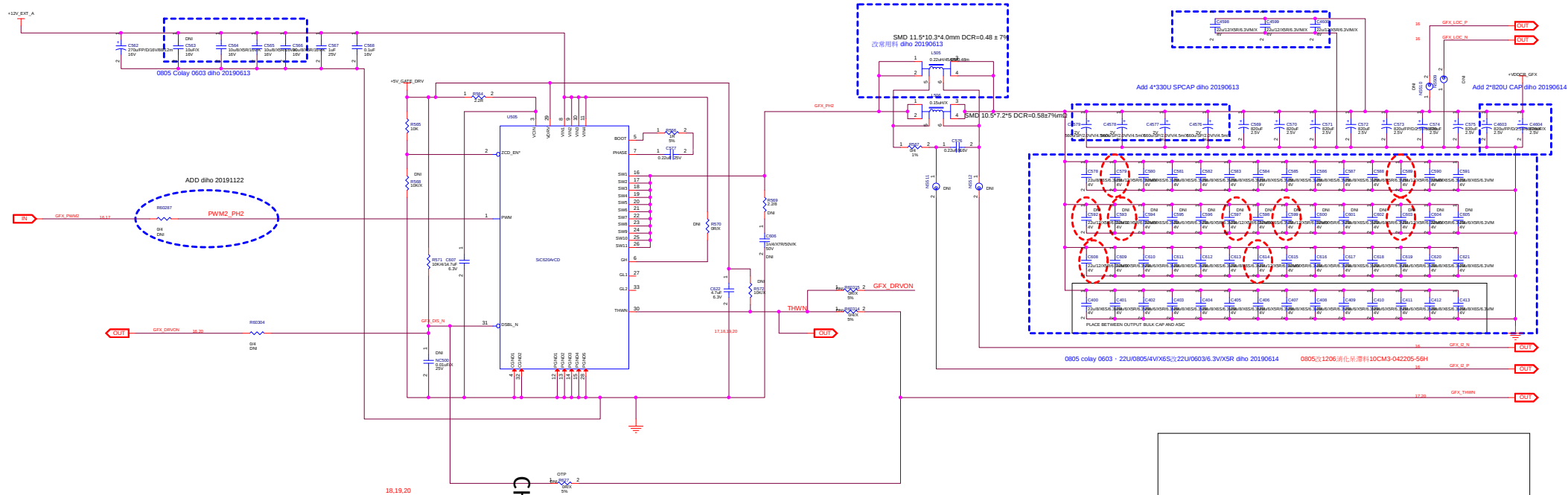


OPTIONAL ESD PROTECTION DIODES



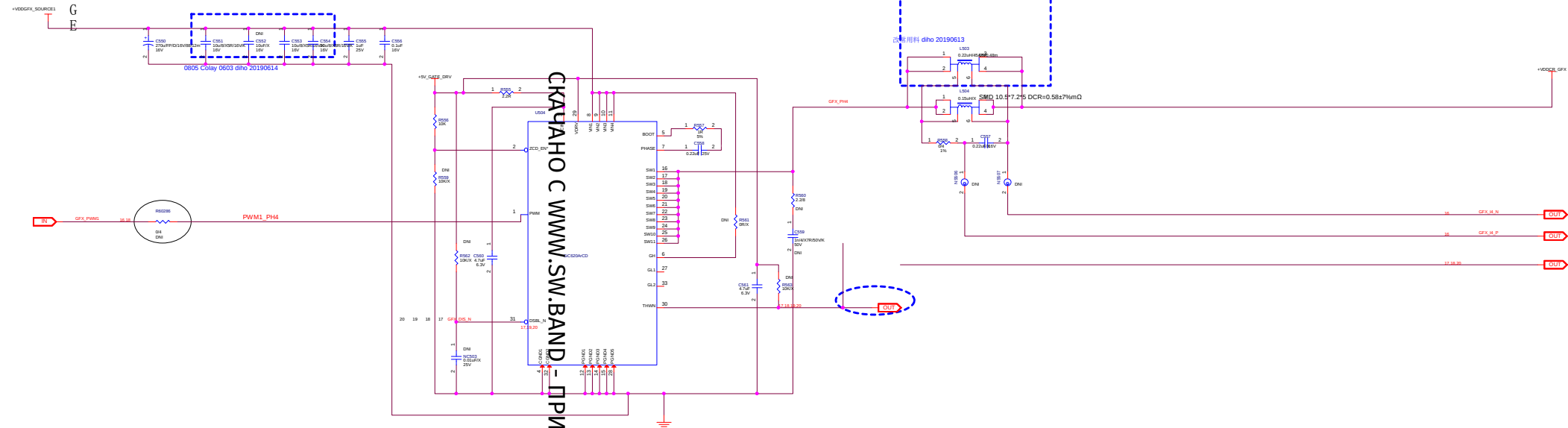
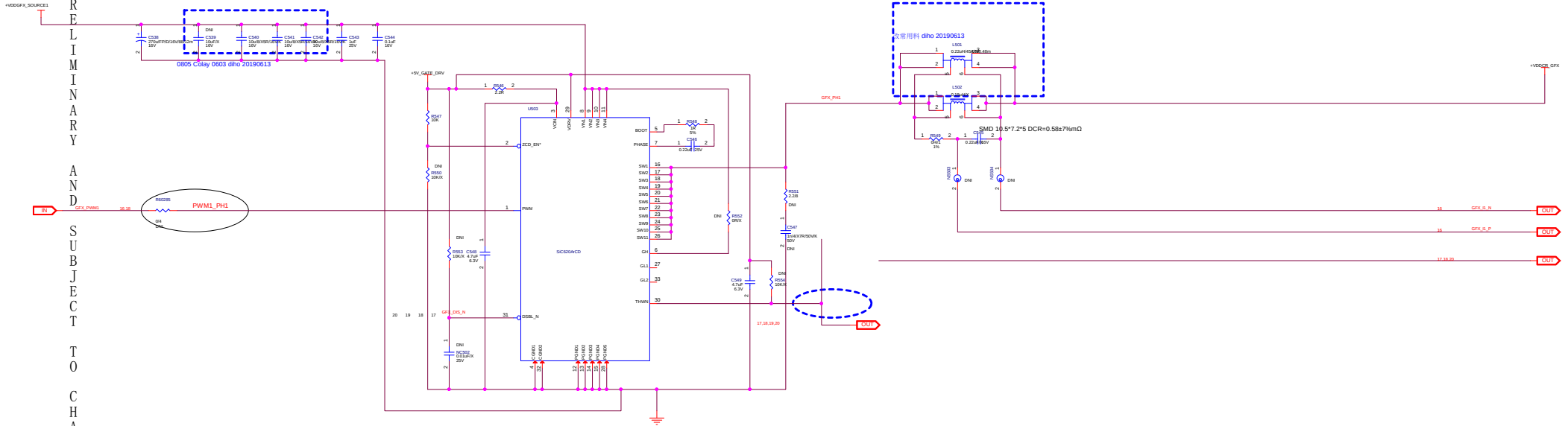




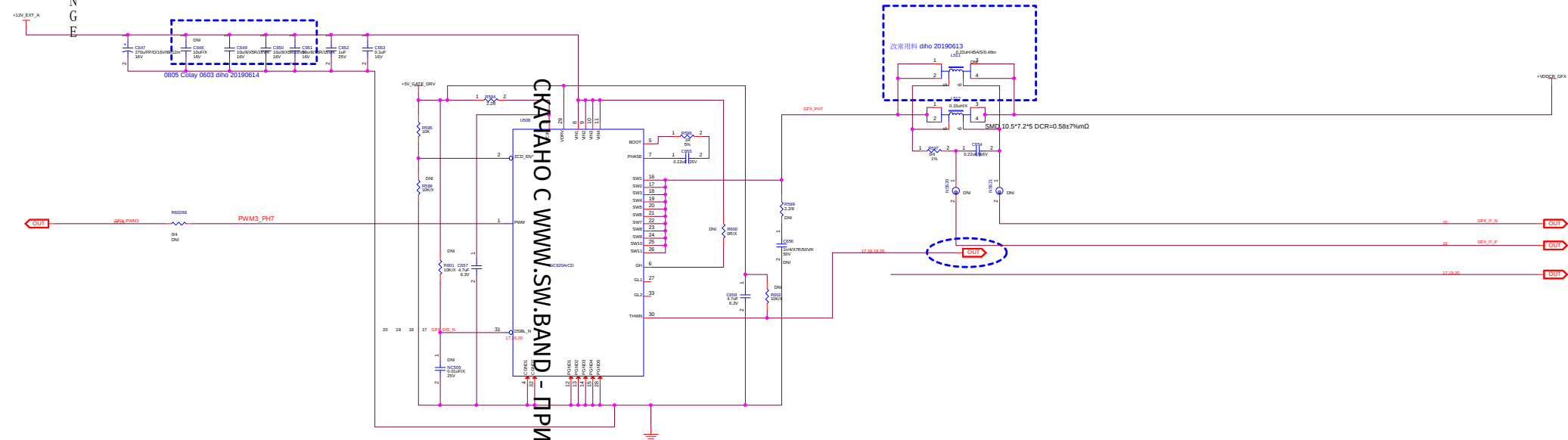
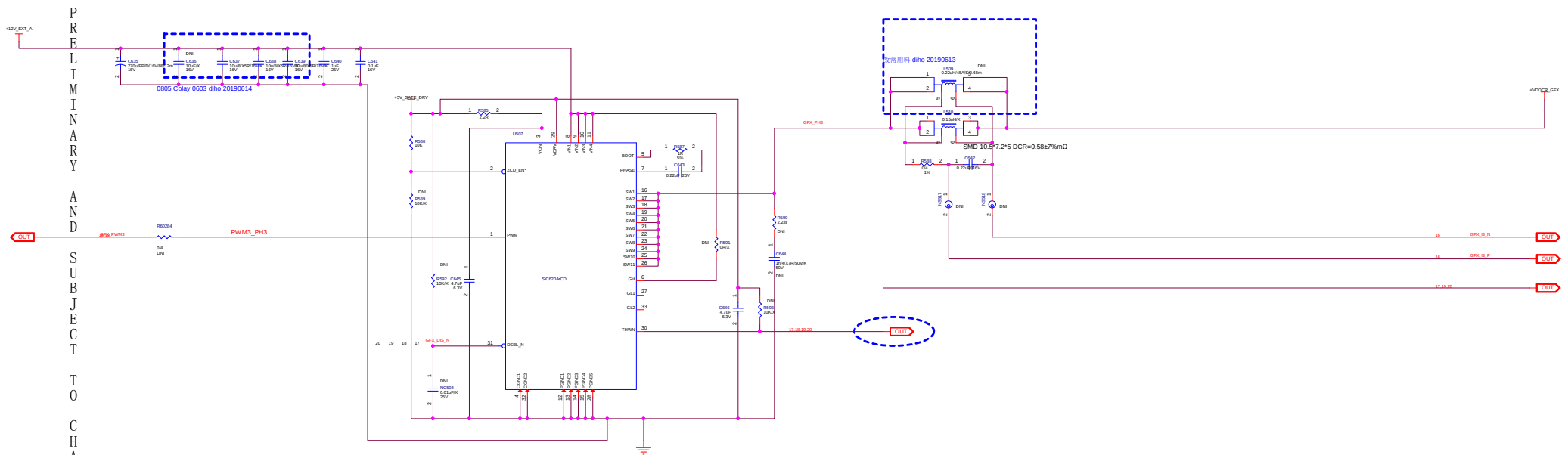


СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ

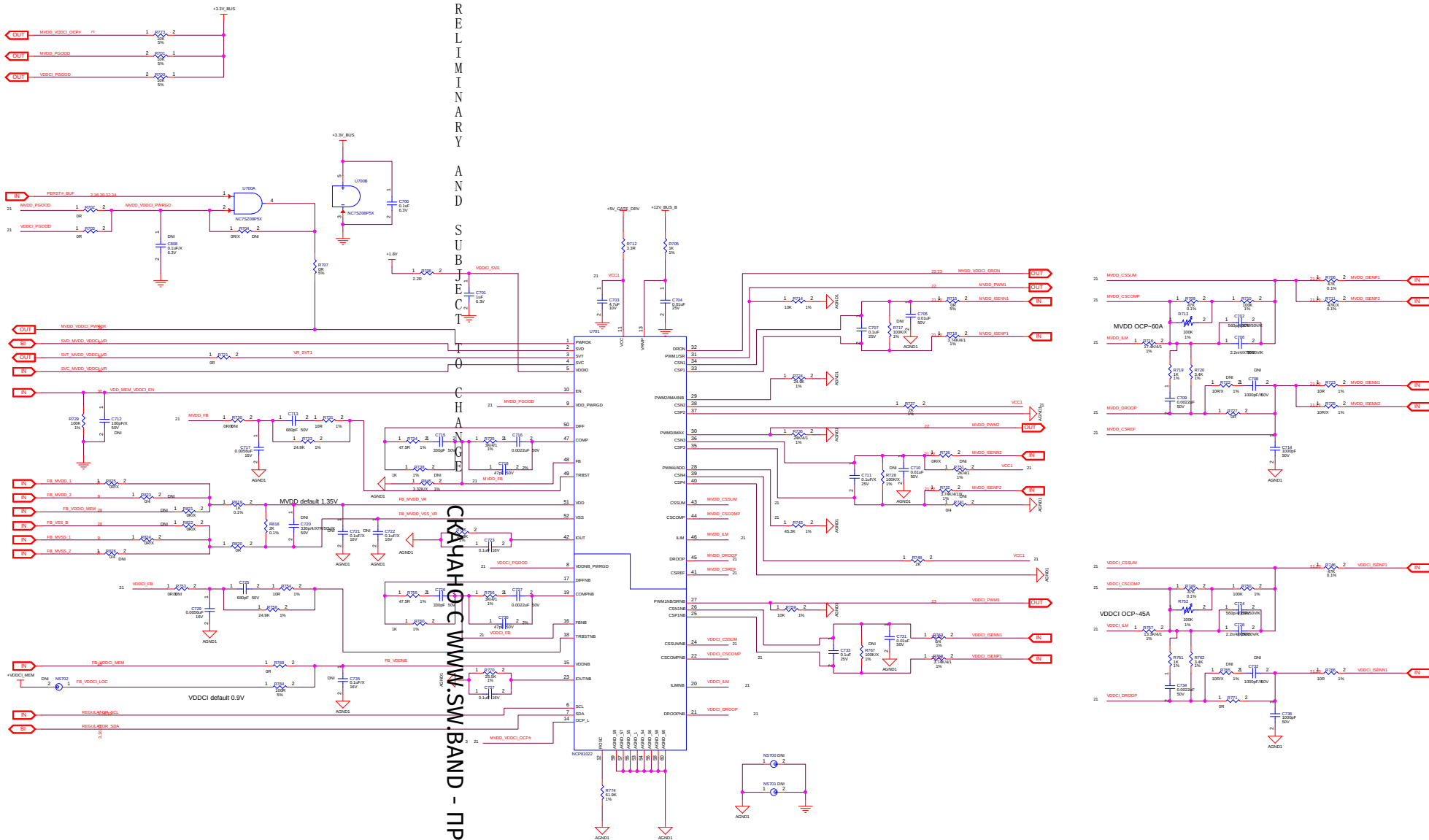
PRELIMINARY AND SUBJECT TO CHANGE

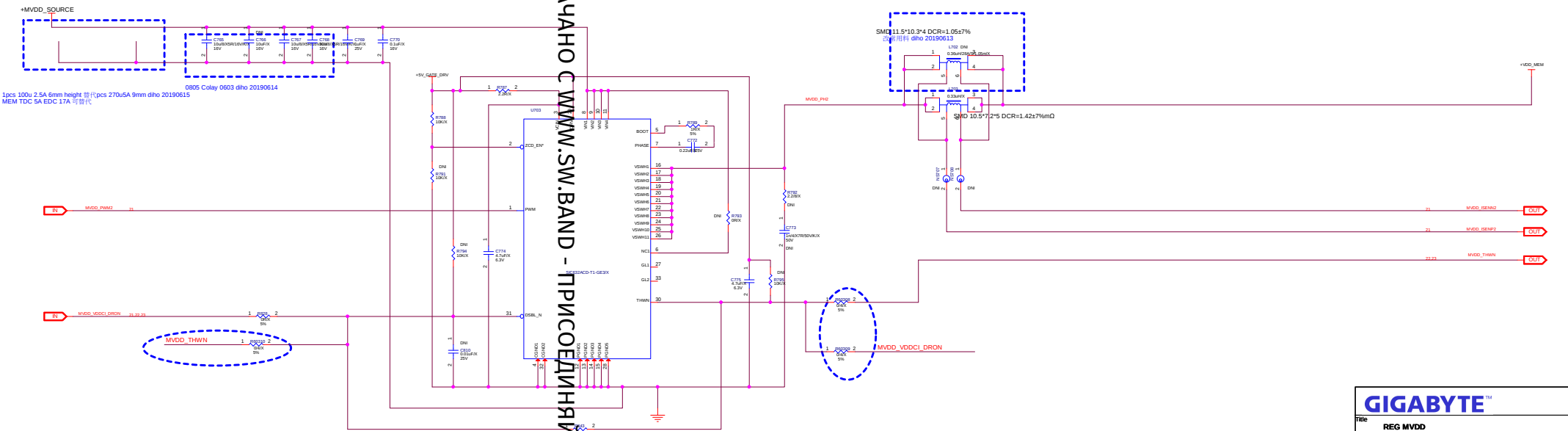


СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ

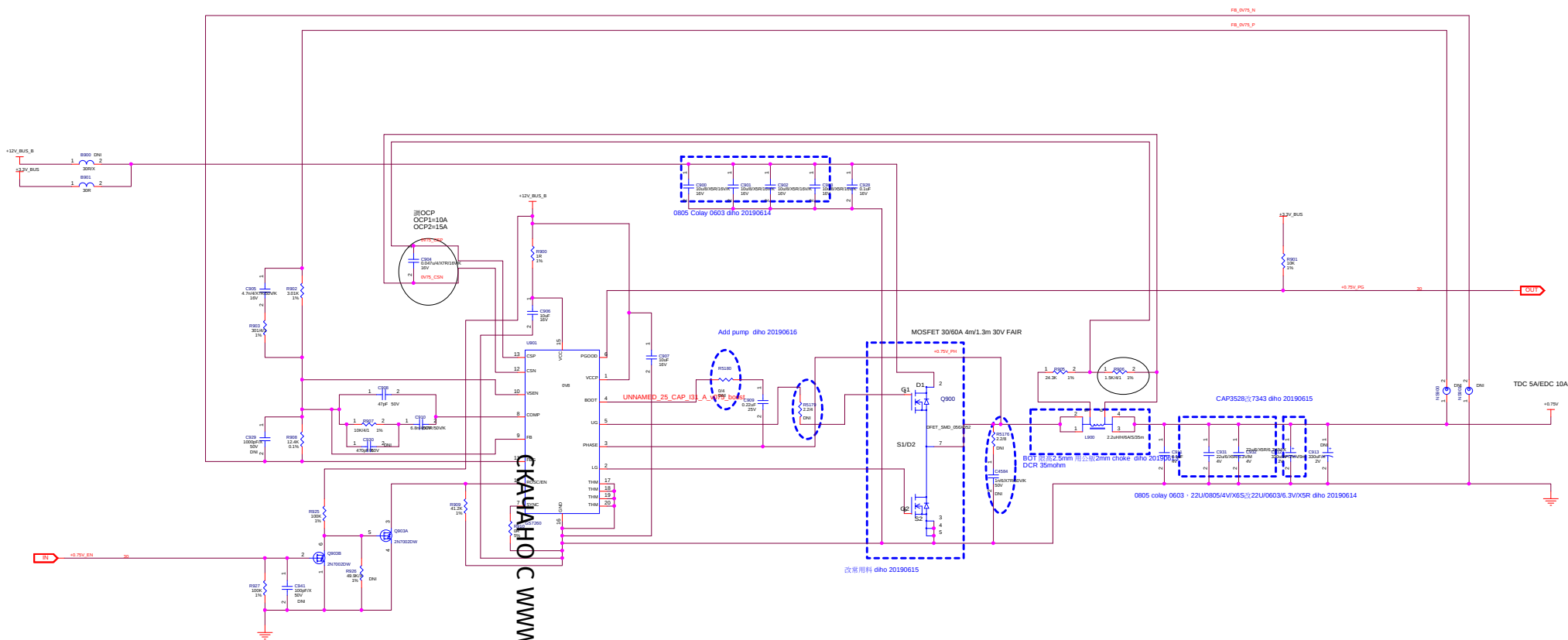


СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ

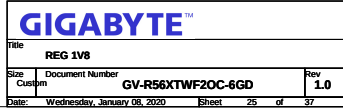






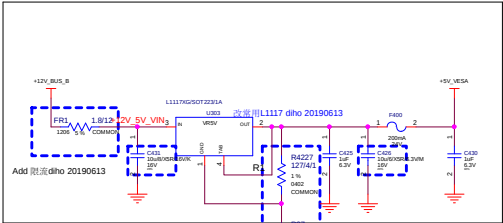


СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ

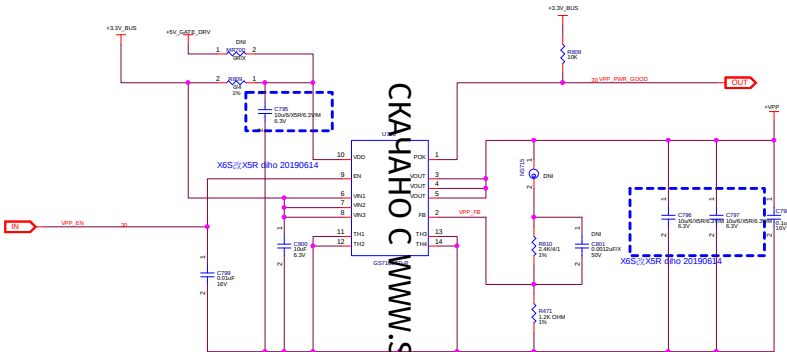


REGULATOR FOR +5V RAILS

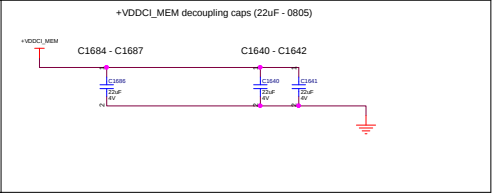
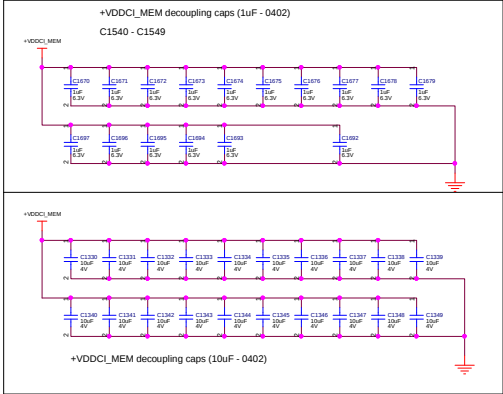
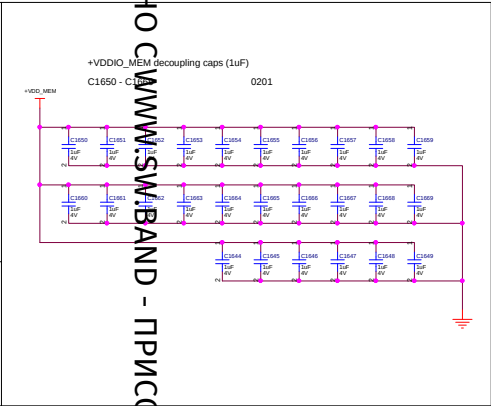
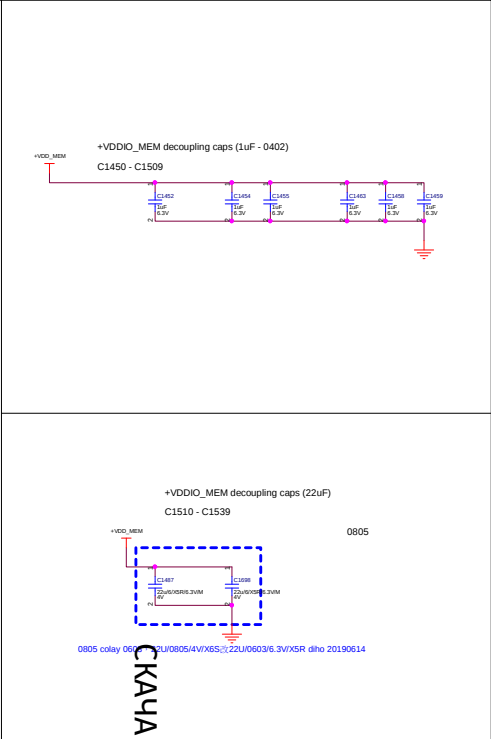
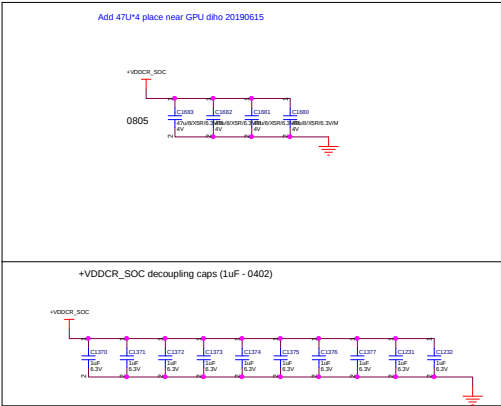
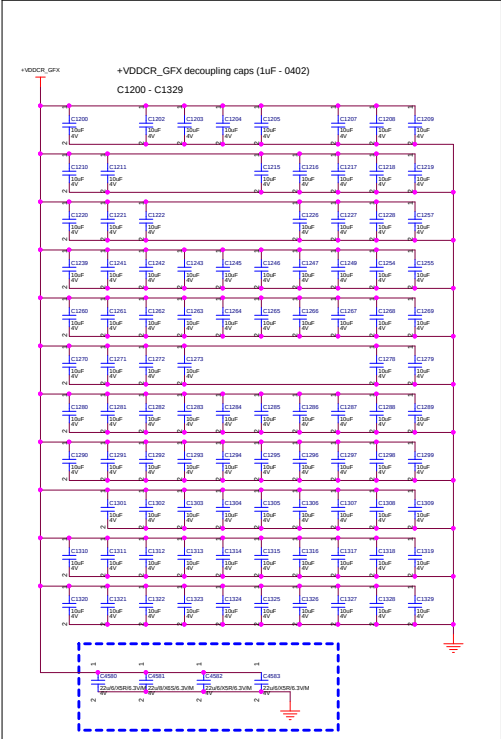
IOUT = 50mA

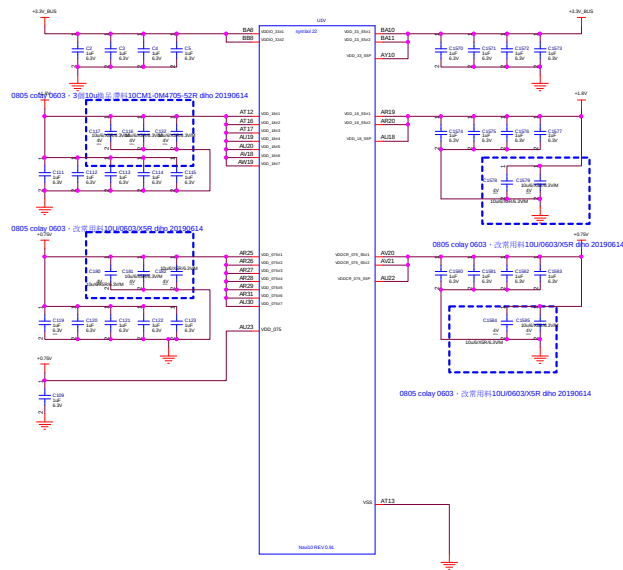


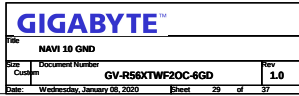
$$V_{OUT} = 1.25 \times (1 + R2/R1)$$
$$= 1.25 \times (1 + 383/127)$$
$$= 5.02V$$

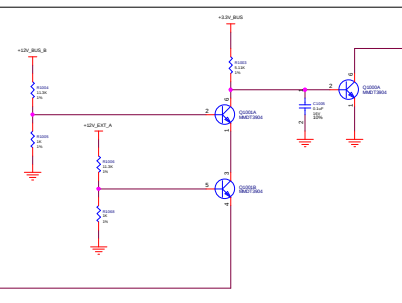


СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ

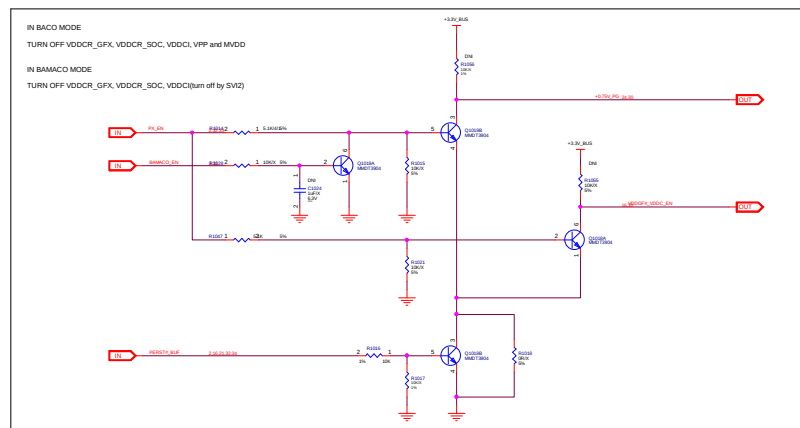
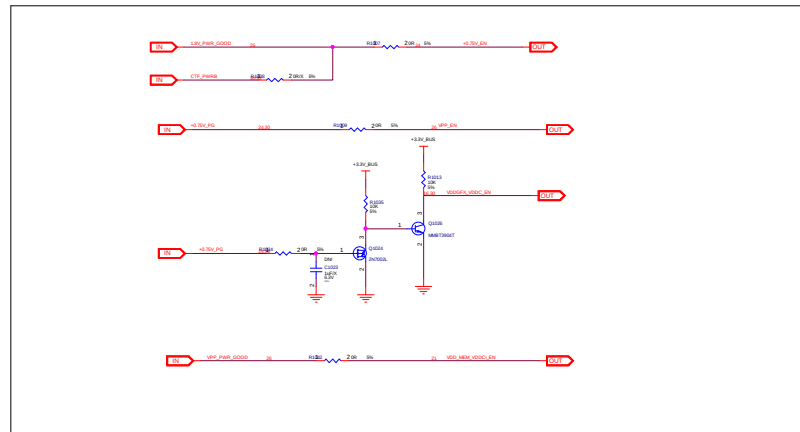
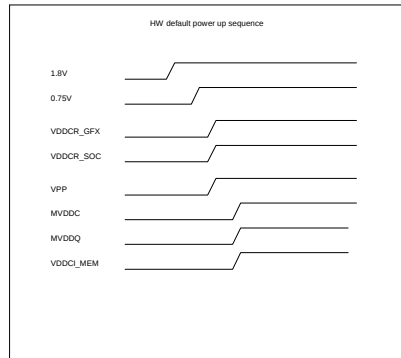
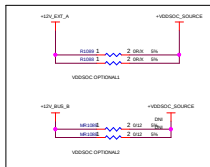
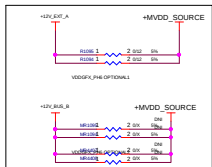








DELSpin connect fly dtho 20191126



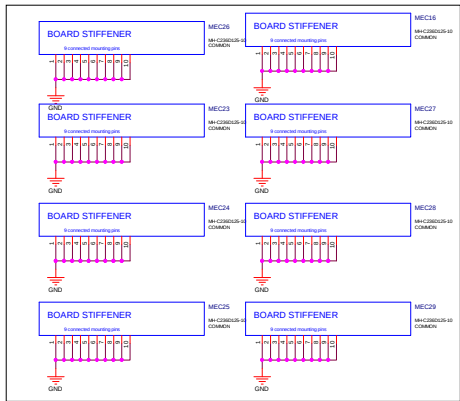
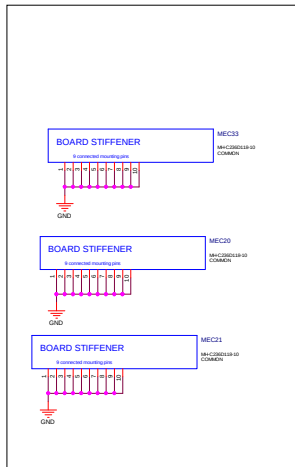


SVC/SVD need to pull high during MACO mode

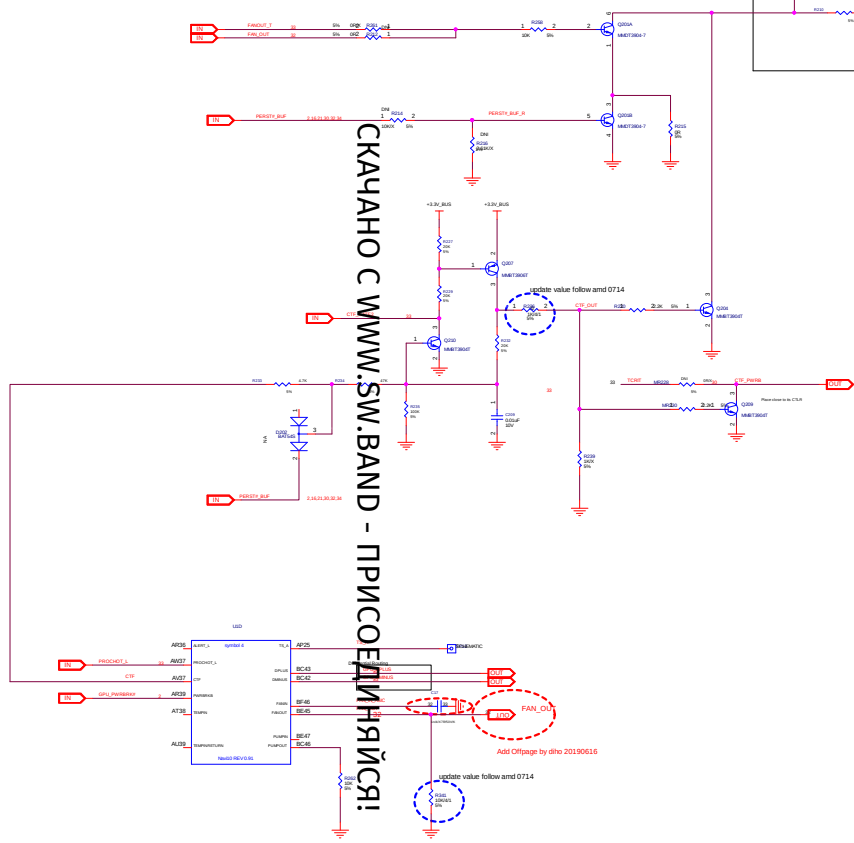
BKT SINK

改常用螺絲孔 by diho 20190619

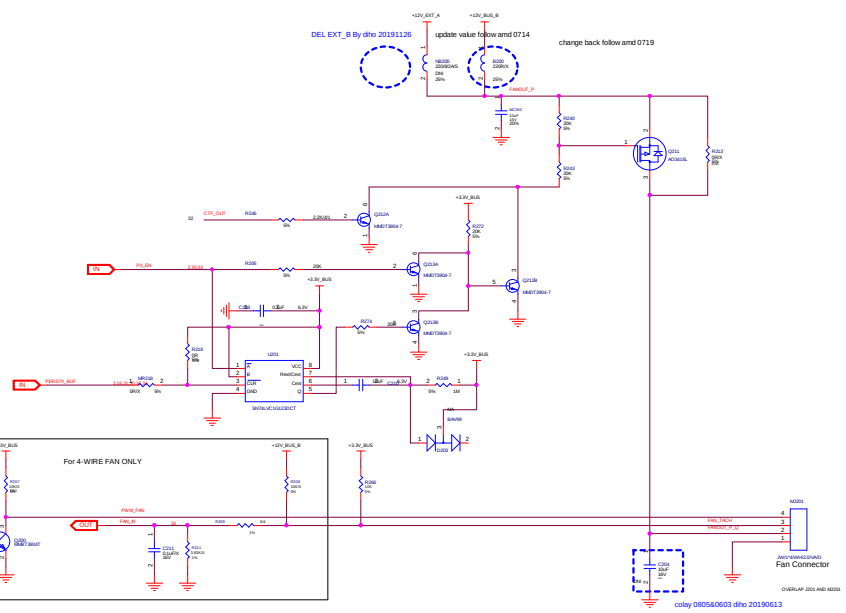
GPU SINK



LMS6 external GPU temperature sensor



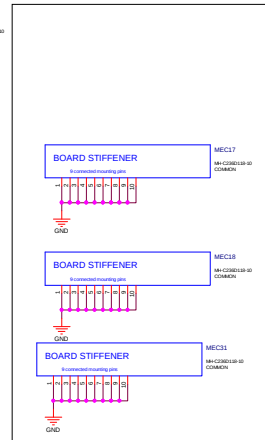
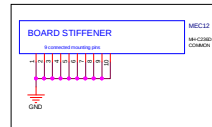
СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНИТЬСЯ!



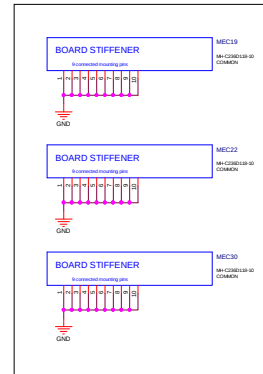
BK

改常用螺絲孔 by diho 20190619

MOS SINK



MOS SINK



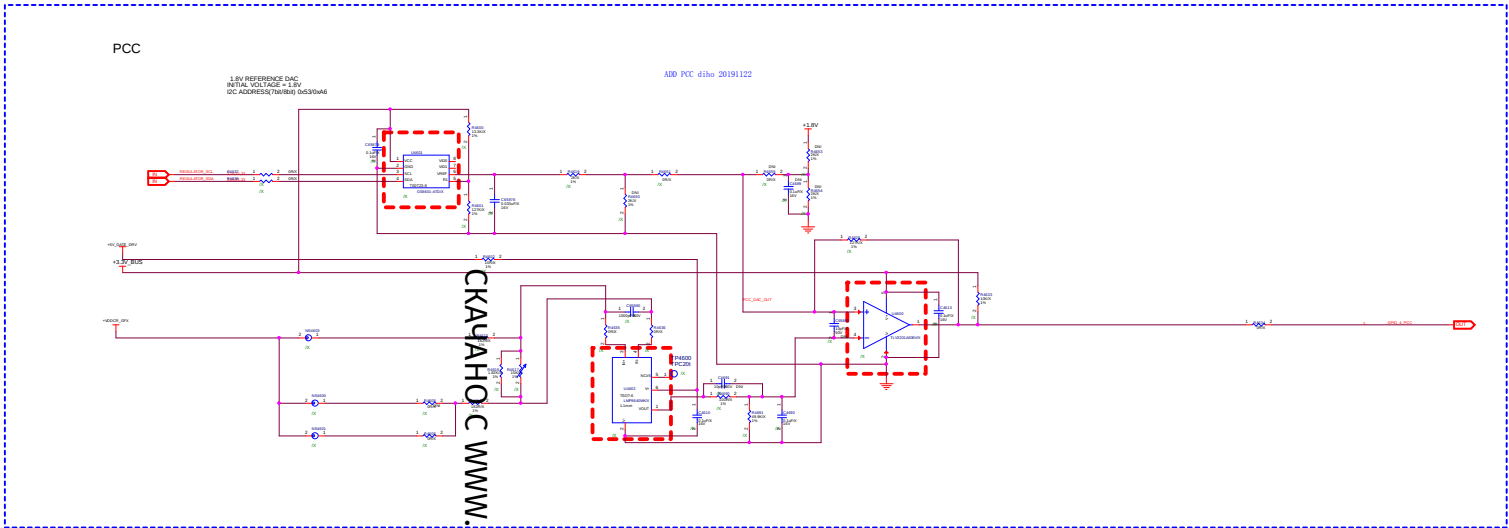
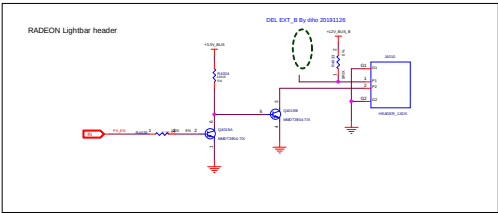
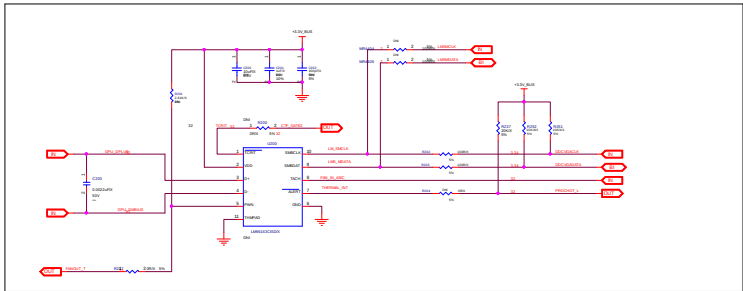
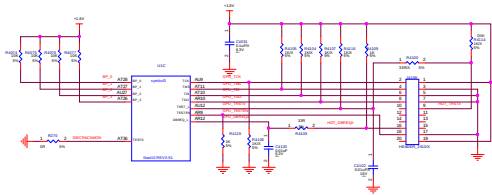
GIGABYTE™

MEC & THERMAL

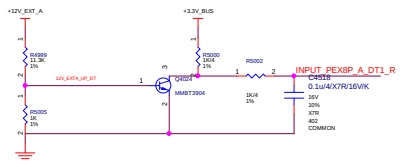
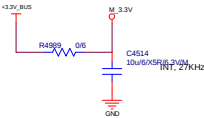
Document Number: GV-R56XTWF20C-6GD

date: Wednesday, January 28, 2020 Sheet: 32 of 97

Rev: 1.0

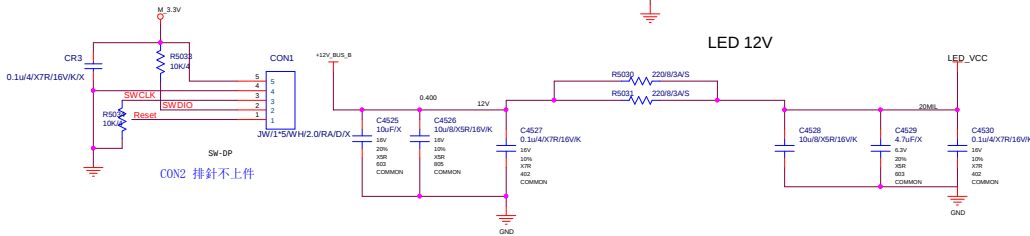


СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ

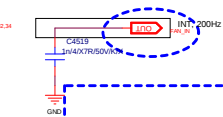


DEL MCU HT50241 By diho 20191126

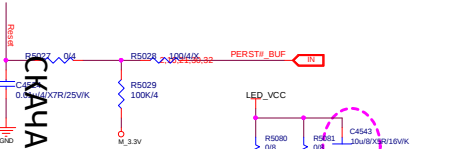
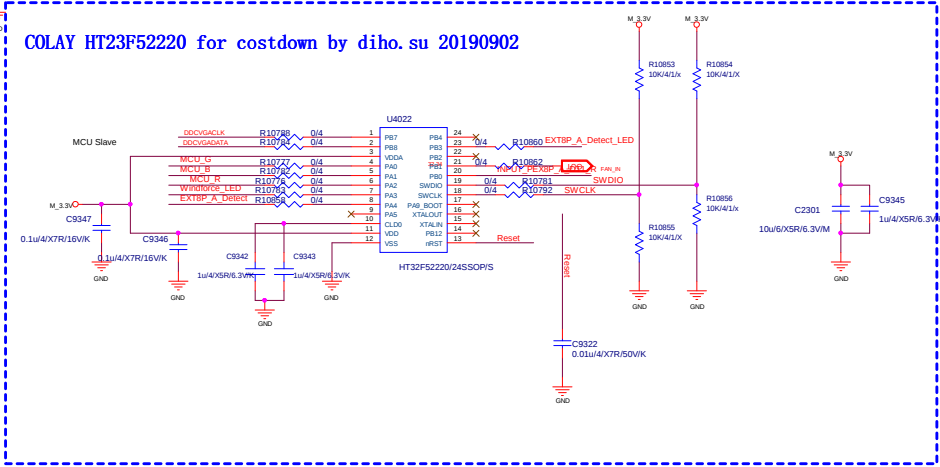
FAN Stop LED



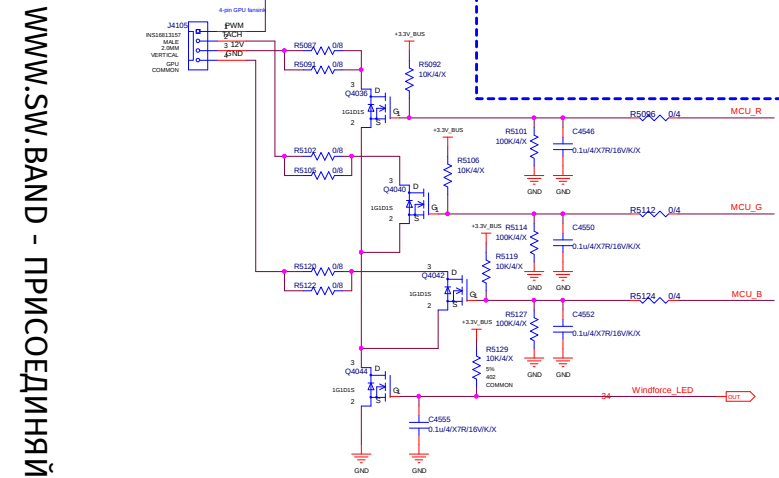
LED 12V



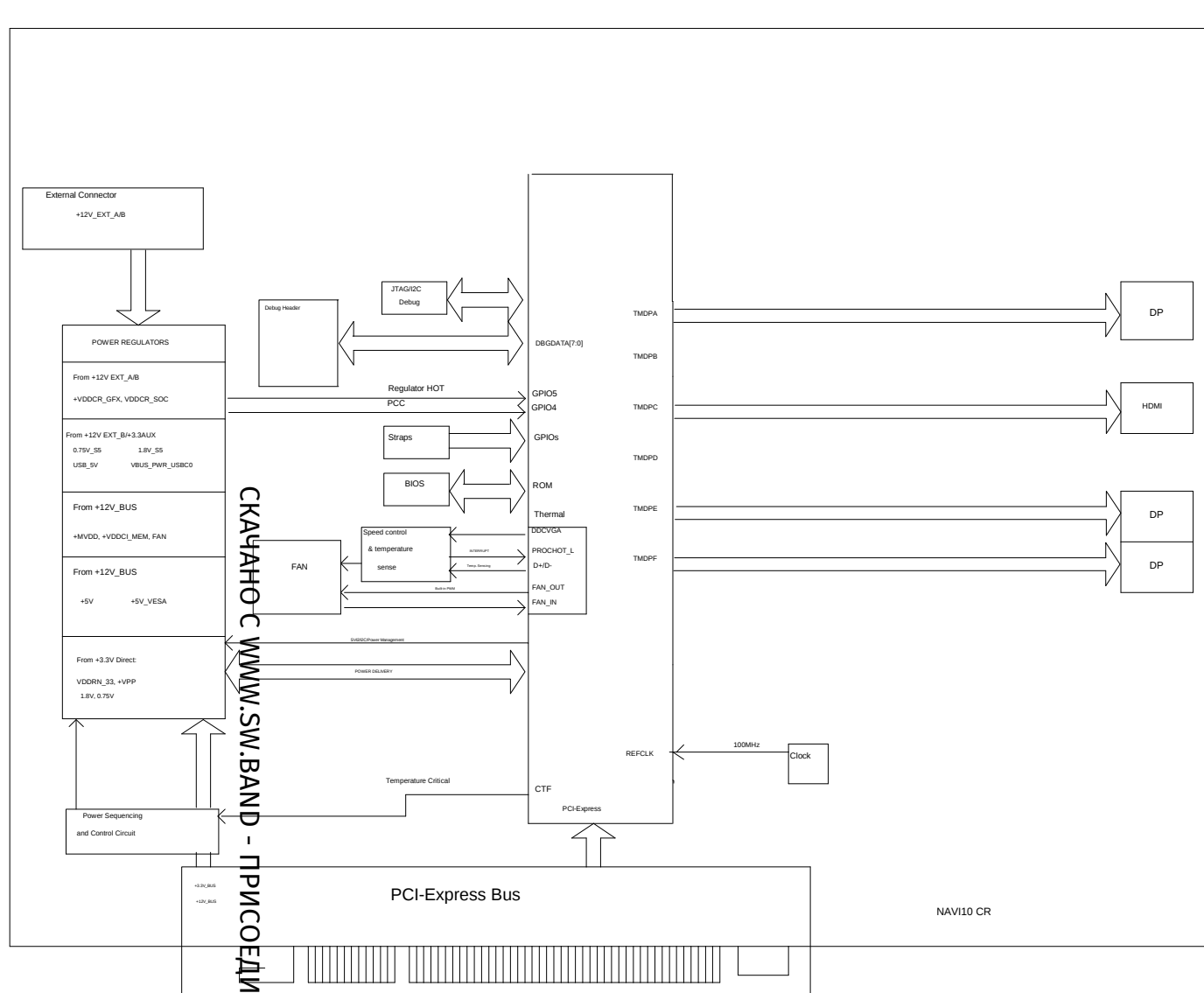
COLAY HT23F52220 for costdown by diho.su 20190902



Windforce_LED



СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ



СКАЧАНО С WWW.SW.BAND - ПРИСОЕДИНЯЙСЯ!

