PG161-A00

TU106 6GB GDDR6, 192b, X16
DVI-D/DP + DP + HDMI

TABLE OF CONTENTS

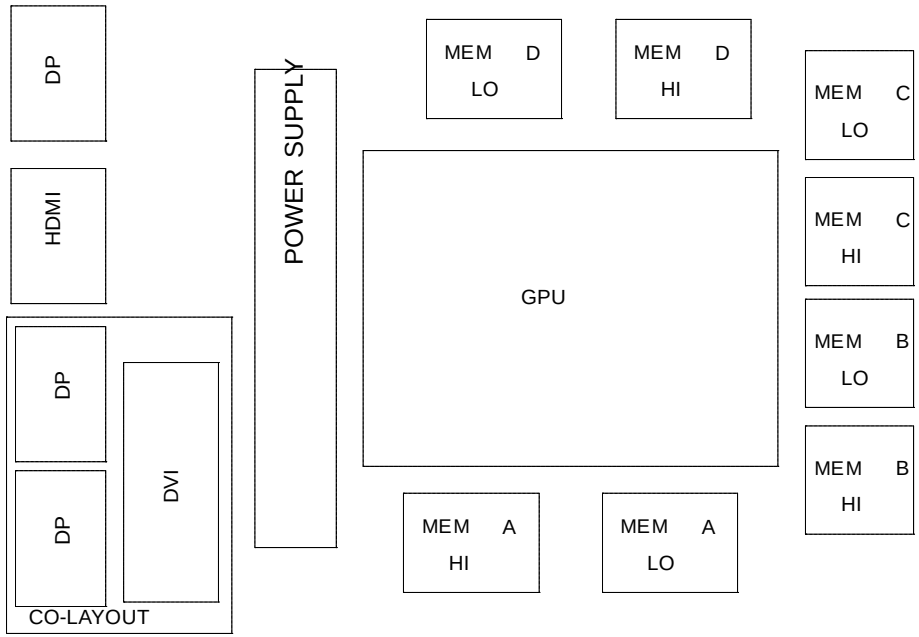
MICRO-STAR INT'L CO.,LTD

MS-V375

Size	Document Description	Rev
Custom	TABLE	3.0

Date: Thursday December 13, 2018 Sheet 1 of 53

Page2: Block Diagram



Power Supply:

- Power Supply NVVDD-PH6
- Power Supply NVVDD-PH5
- Power Supply NVVDD-PH4
- Power Supply NVVDD-PH3
- Power Supply NVVDD-PH2
- Power Supply NVVDD-PH1
- Power Supply FBVDDQ-PH2
- Power Supply FBVDDQ-PH1
- Power Supply 5V
- PEX_VDD
- 1V8
- Fan
- DP_PWR

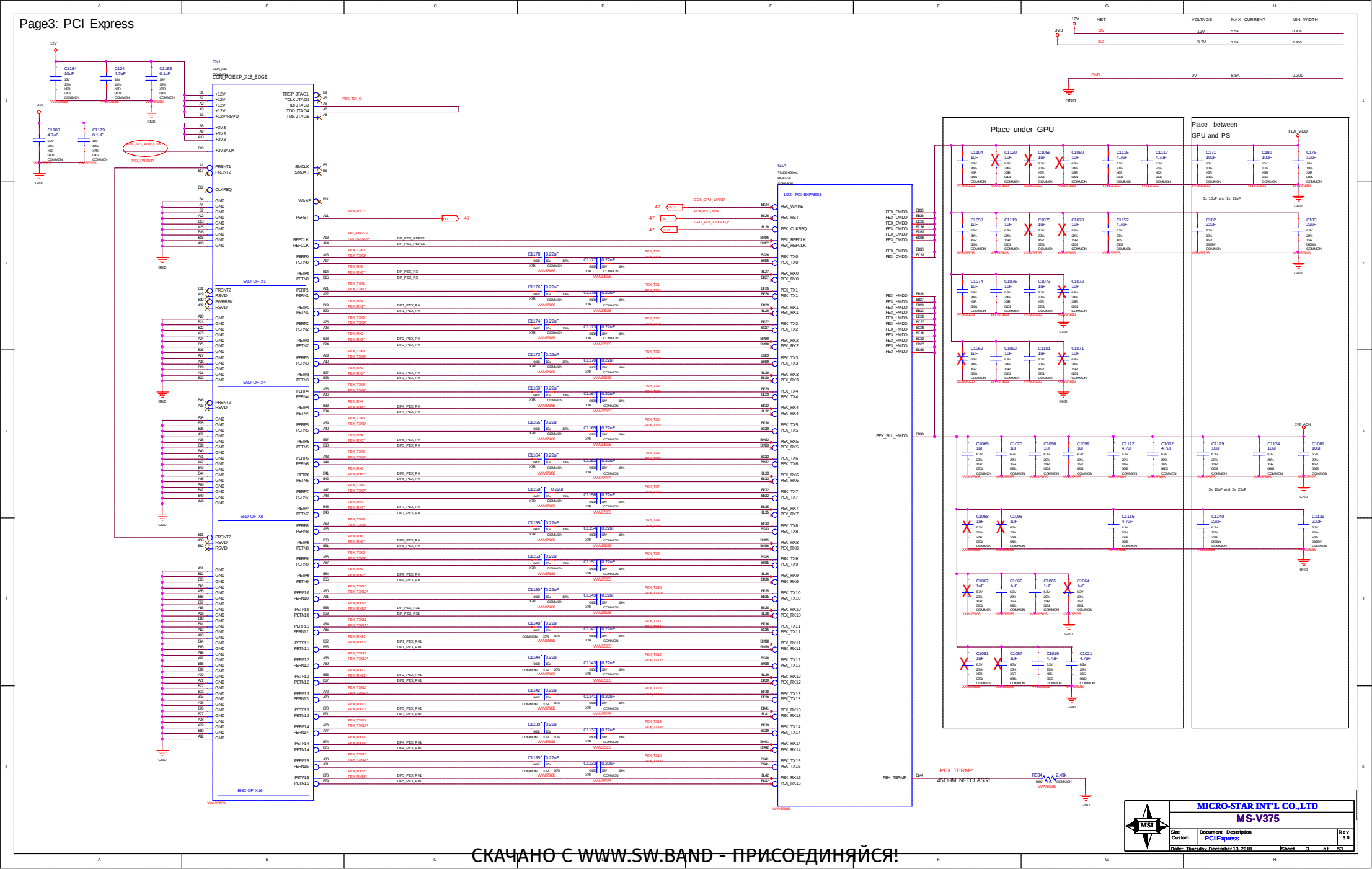
EXT_12V 2x4 PWR

PEX_12V Finger

3V3 Finger

MICRO-STAR INT'L CO.,LTD
MS-V375
Size: Custom | Document Description: Block Diagram | Rev 3.0
Date: Thursday, December 13, 2018 | Sheet 2 of 53

Page3: PCI Express

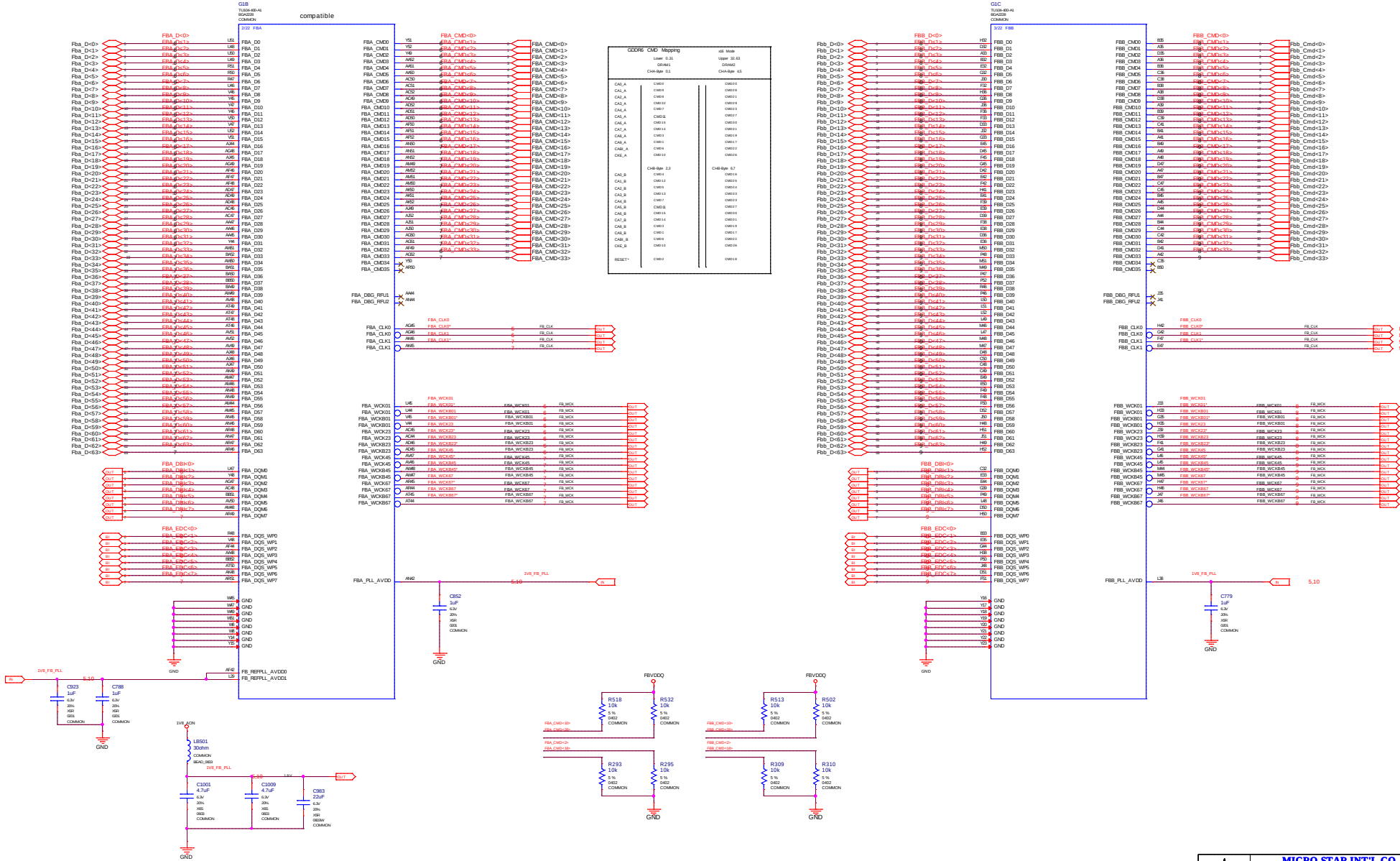


NO PEX GEN4 SUPPORT

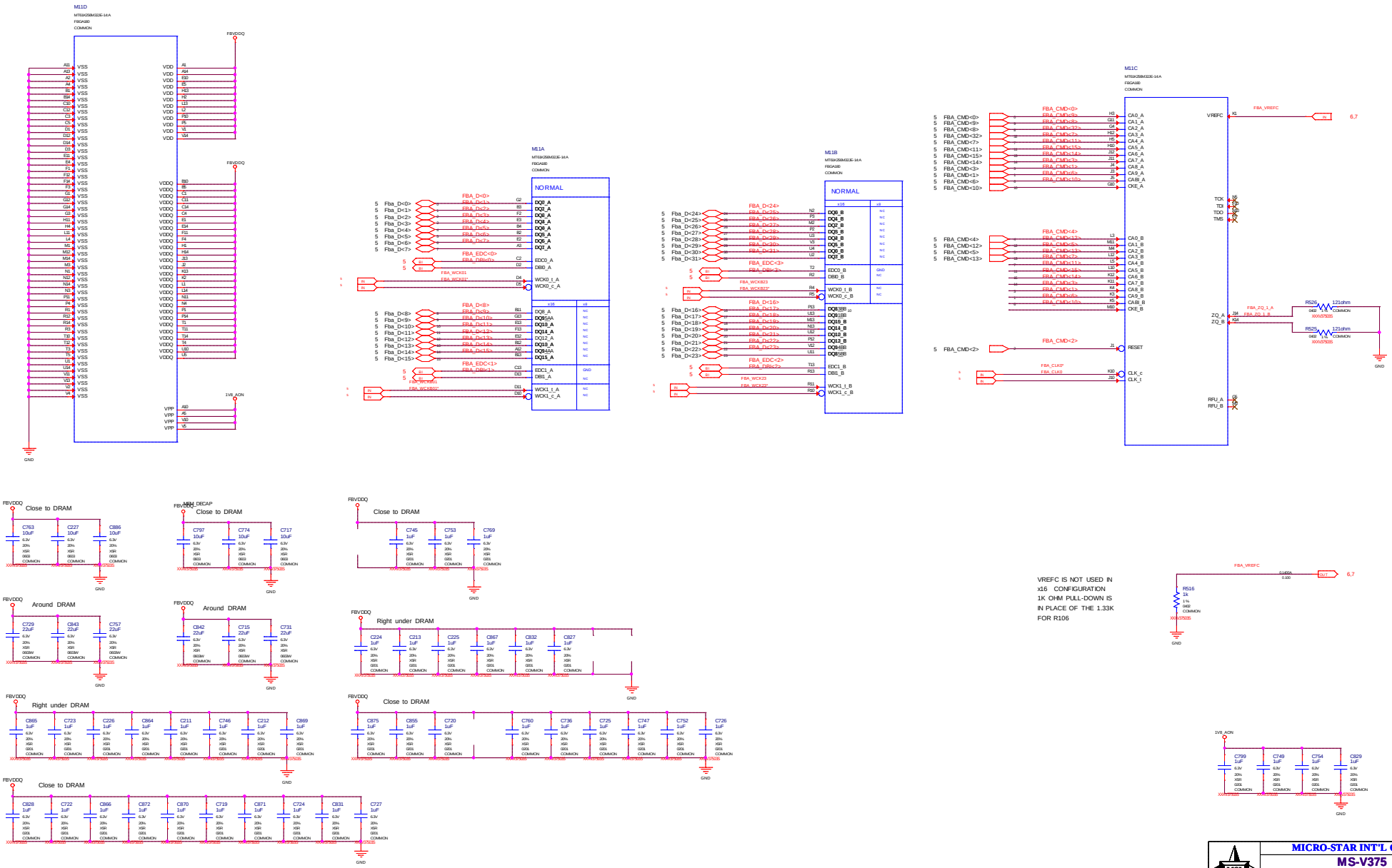
DELETE RC TERMINATIONS

MICRO-STAR INT'L CO.,LTD
MS-V375
Size: Custom
Document Description: PCIE RC TERM
Rev: 3.0
Date: Thursday, December 13, 2018
Sheet 4 of 53

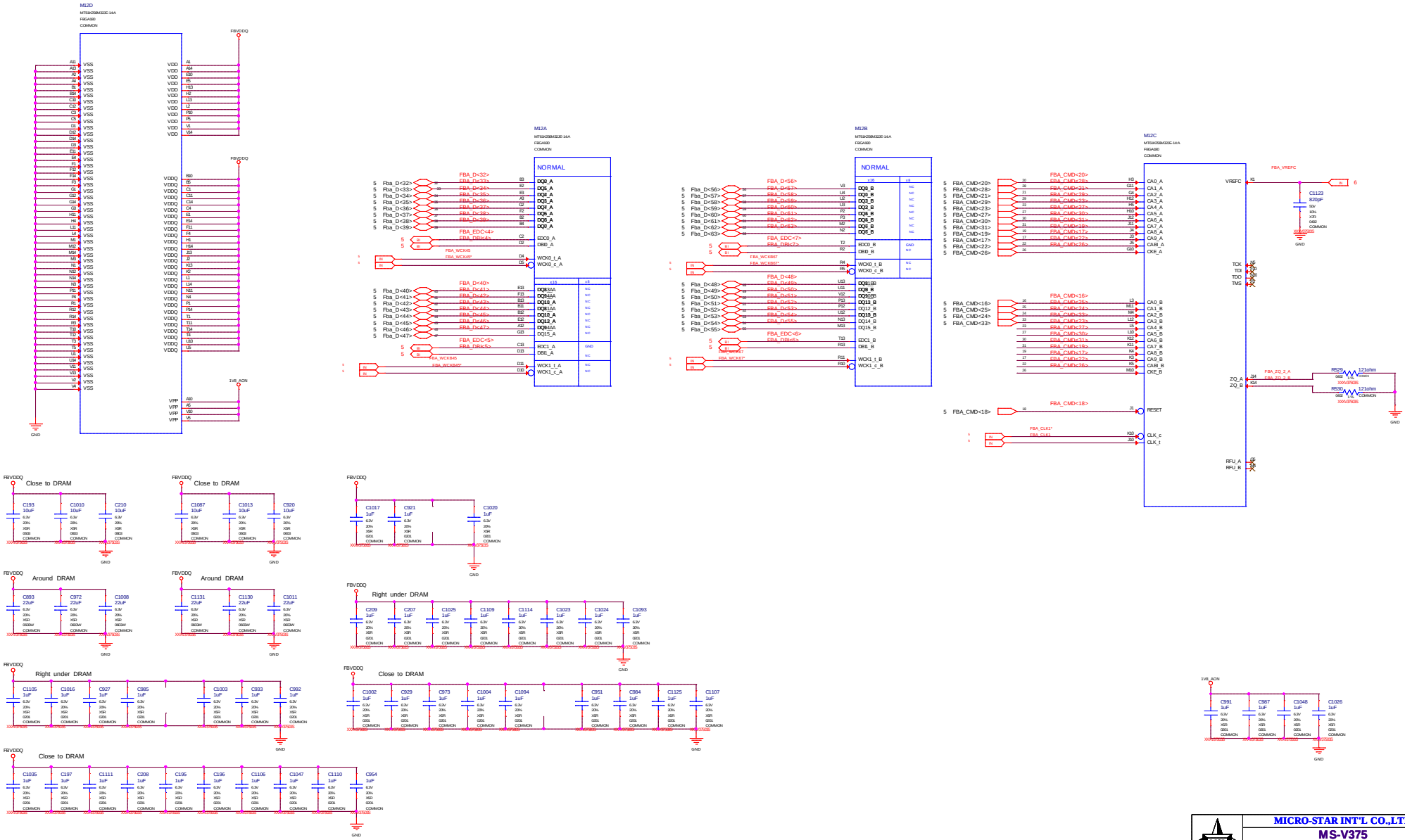
Page5: MEMORY: GPU Partition A/B

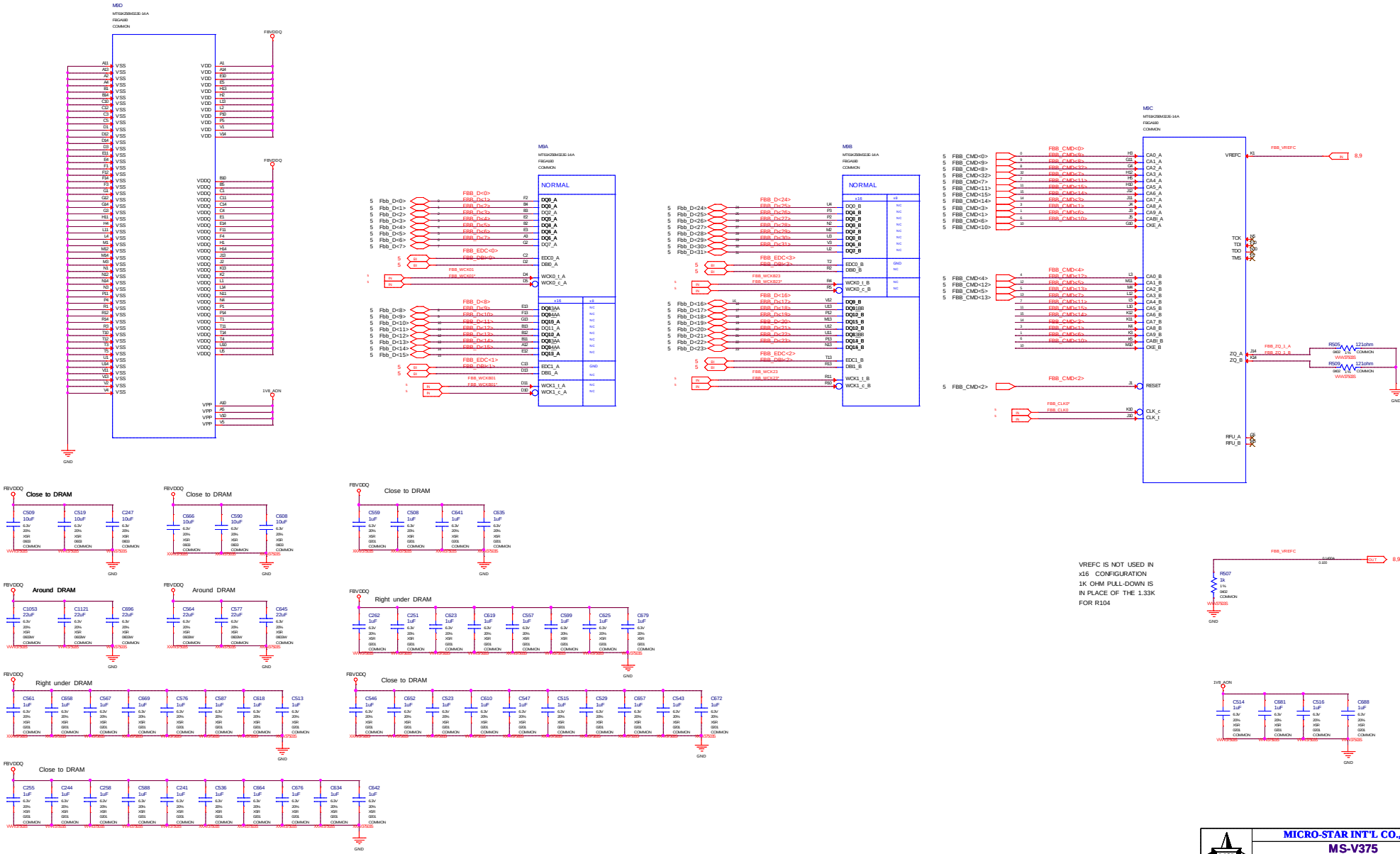


MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: MEMORY: GPU Partition A/B	Rev: 3.0
Date: Thursday,December 13, 2018	Sheet 5 of 53	

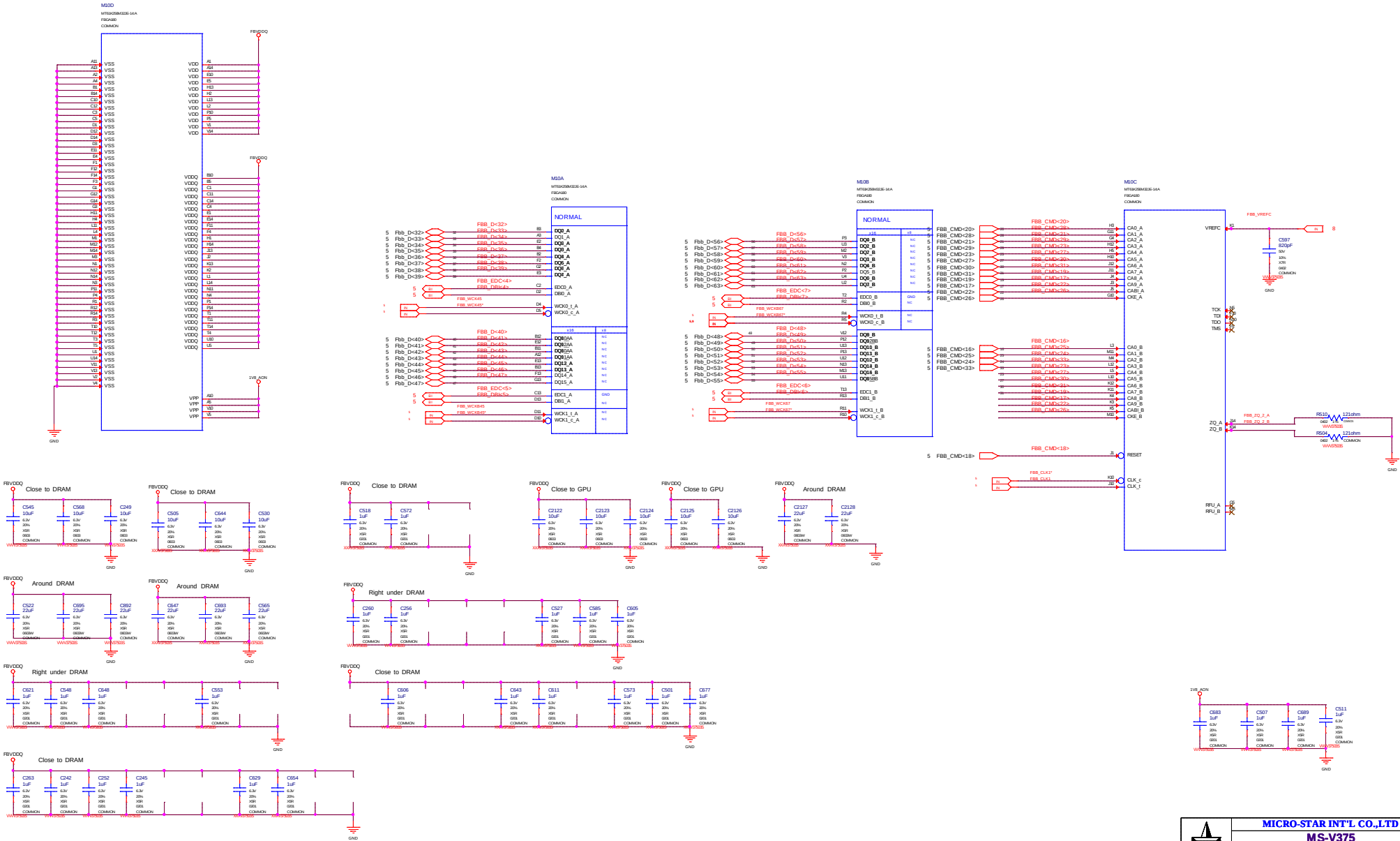


MICRO-STAR INT'L CO.,LTD	
MS-V375	
Size: Custom	Document Description: MEMORY: FBA Partition 31..0
Rev: 3.0	
Date: Thursday December 13, 2018	Sheet 6 of 53

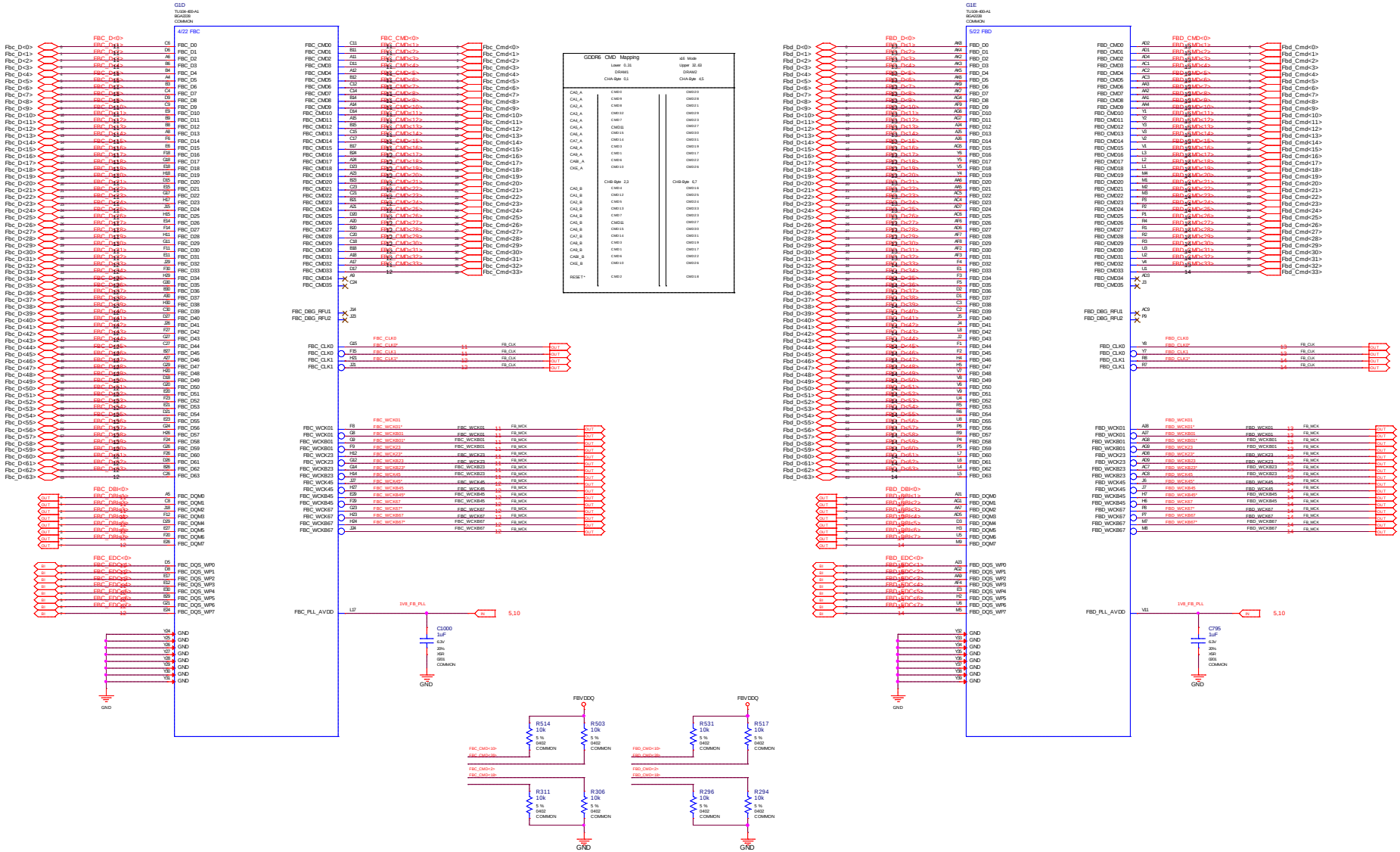


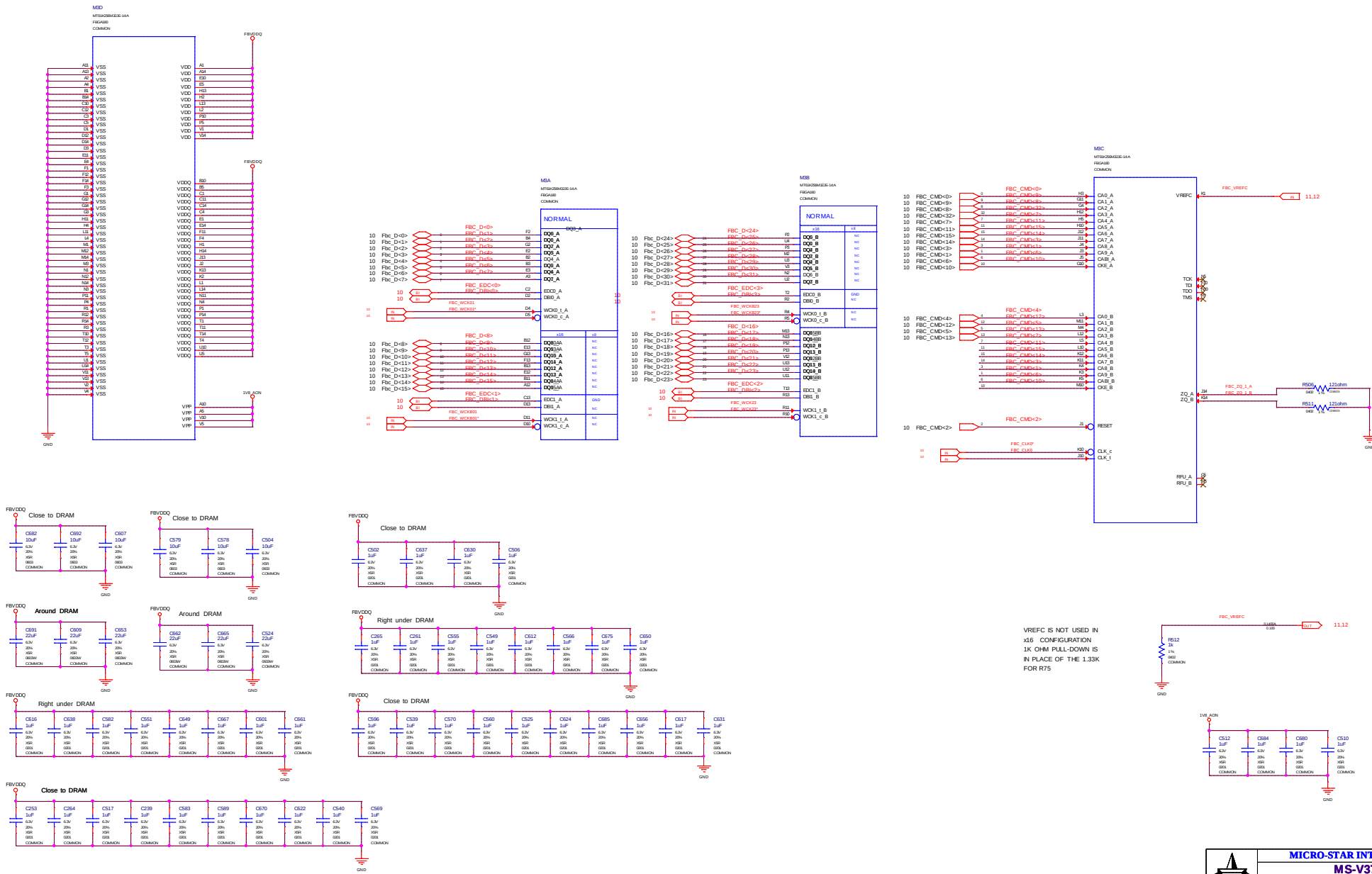


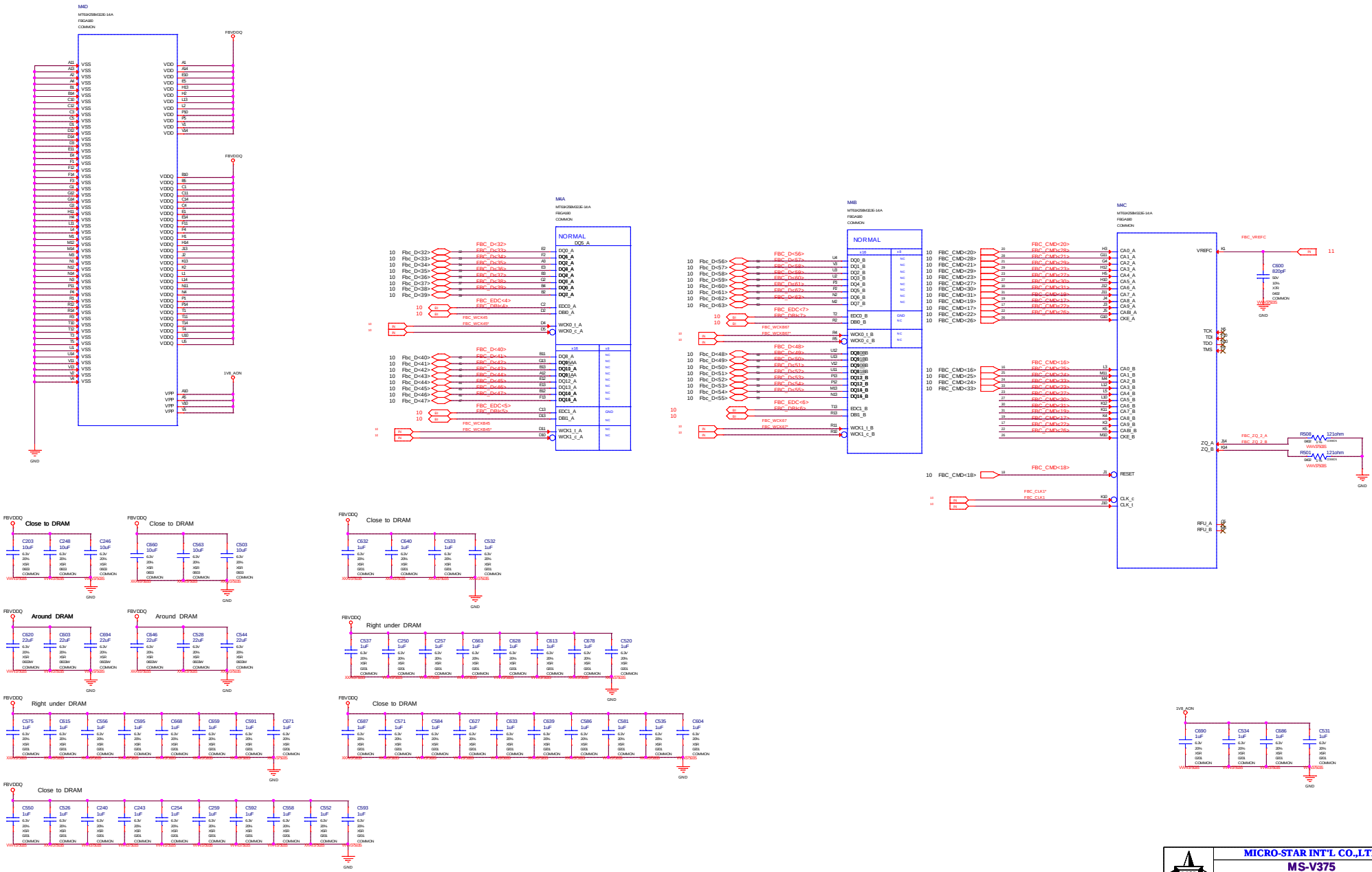
MSI	MICRO-STAR INT'L CO.,LTD	
	MS-V375	
Size: Custom	Document Description: MEMORY: FBB Partition 31..0	Rev: 3.0
Date: Thursday December 13, 2018	Sheet 8 of 53	



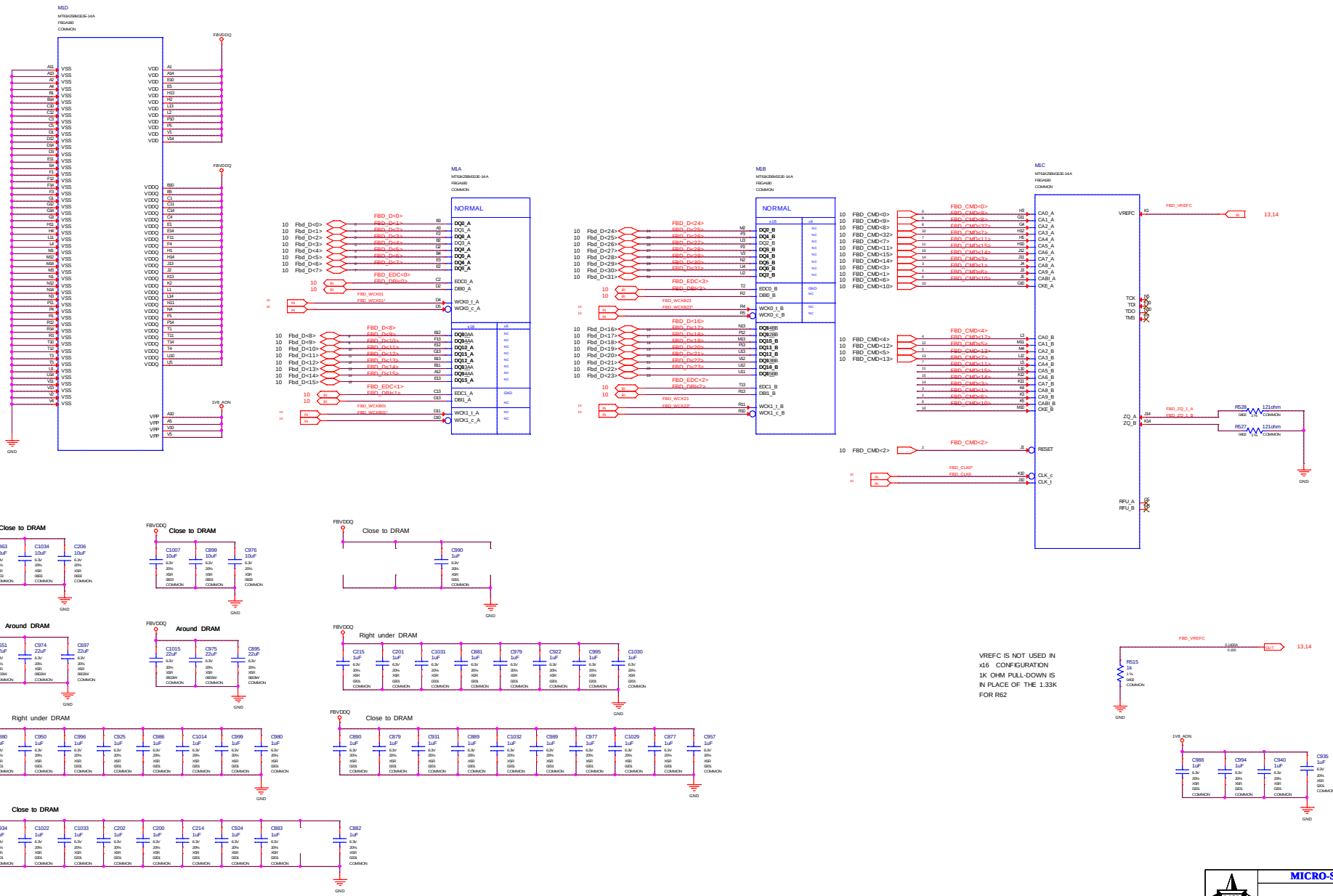
MICRO-STAR INT'L CO.,LTD	
MS-V375	
Size: Custom	Document Description: MEMORY: FBB Partition 63..32
Rev: 3.0	
Date: Thursday December 13, 2018	Sheet 9 of 53







MSI	MICRO-STAR INT'L CO.,LTD	
	MS-V375	
Size: Custom	Document Description: MEMORY: FBC Partition 63..32	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 12 of 53	

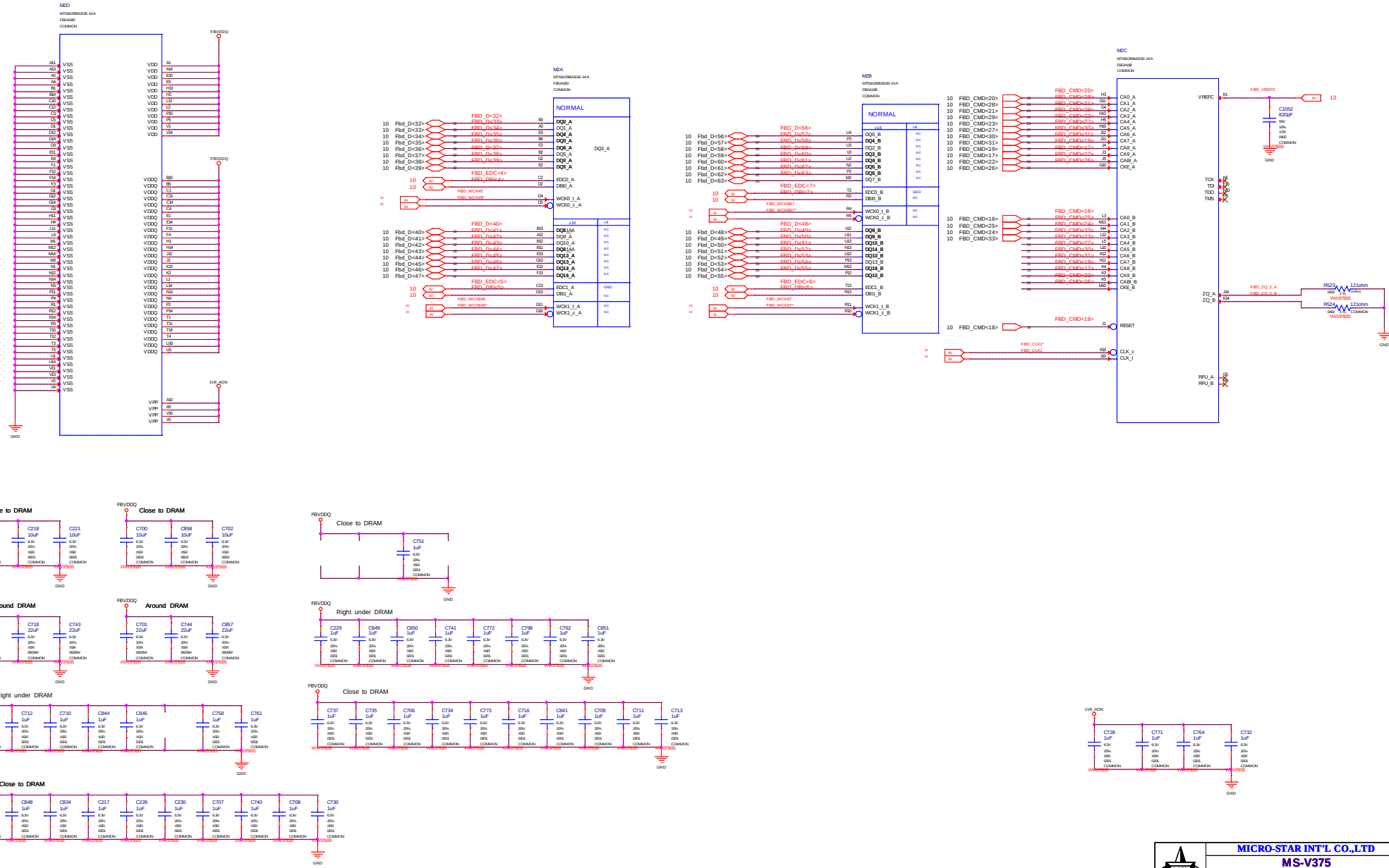


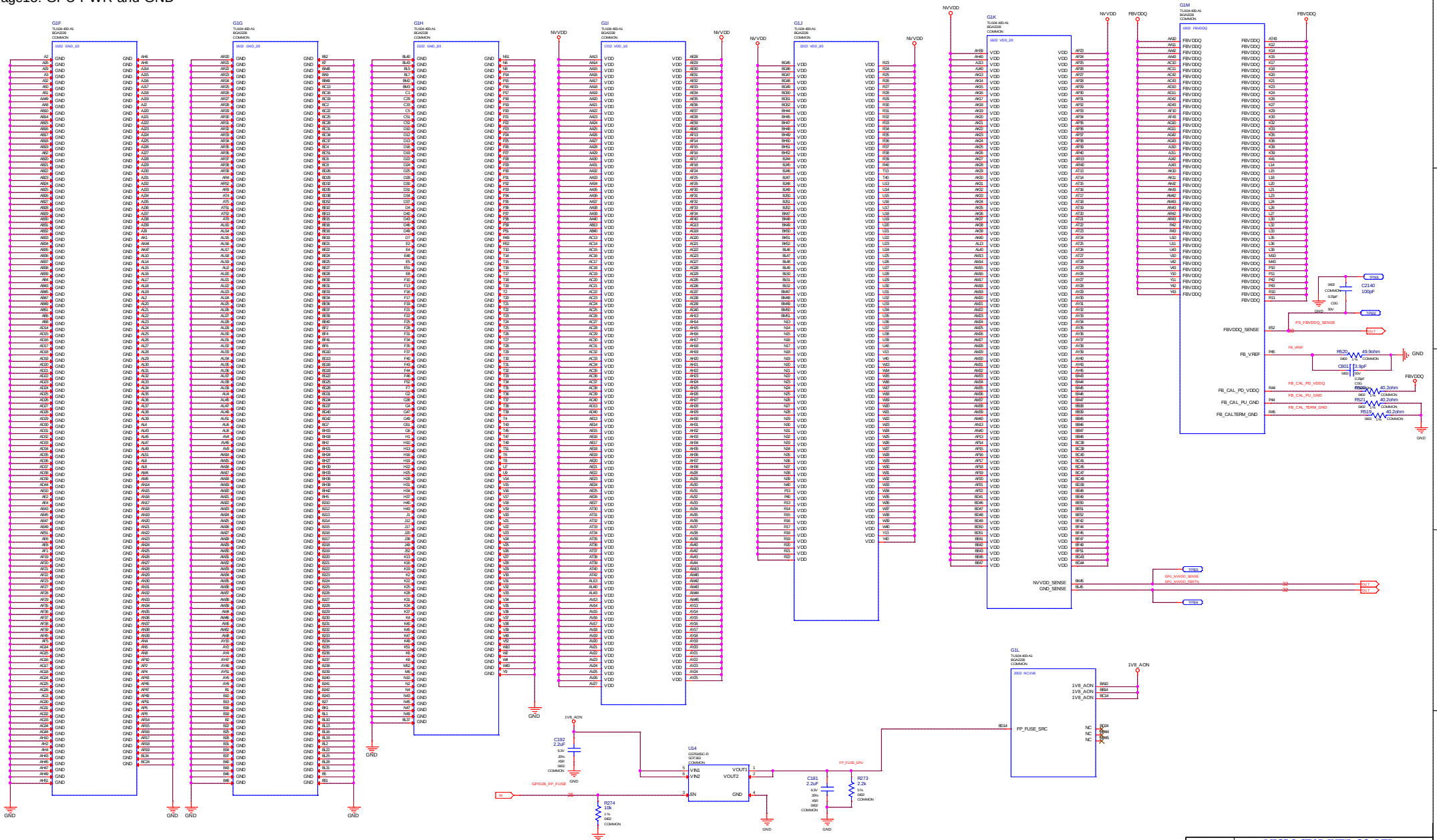
MICRO-STAR INT'L CO.,LTD

MS-V375

Size: Custom | Document Description: MEMORY: FBD Partition 31..0 | Rev 2.0

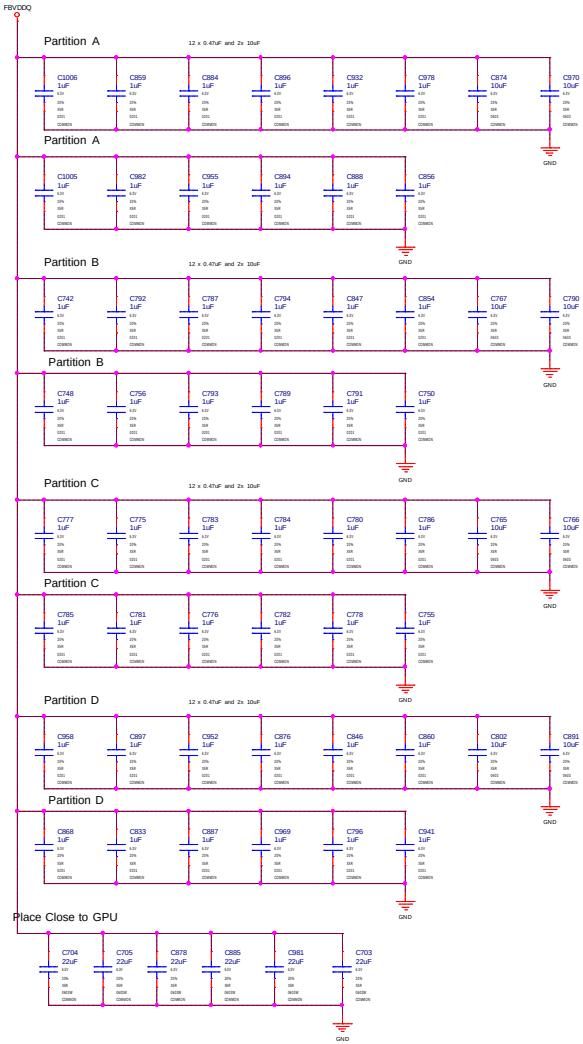
Date: Tuesday, December 04, 2018 | Sheet 13 of 53





MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: GPU PWR and GND	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 15 of 53	

FBVDDQ



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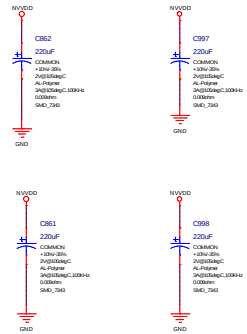
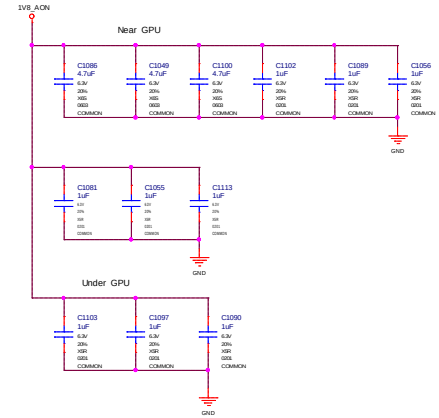


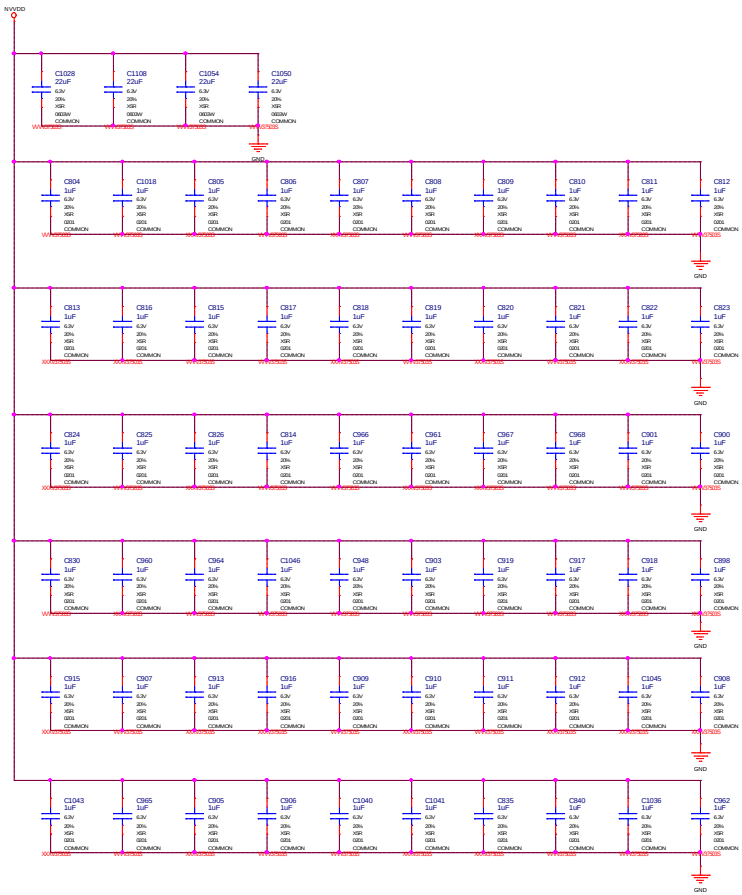
1V8_AON

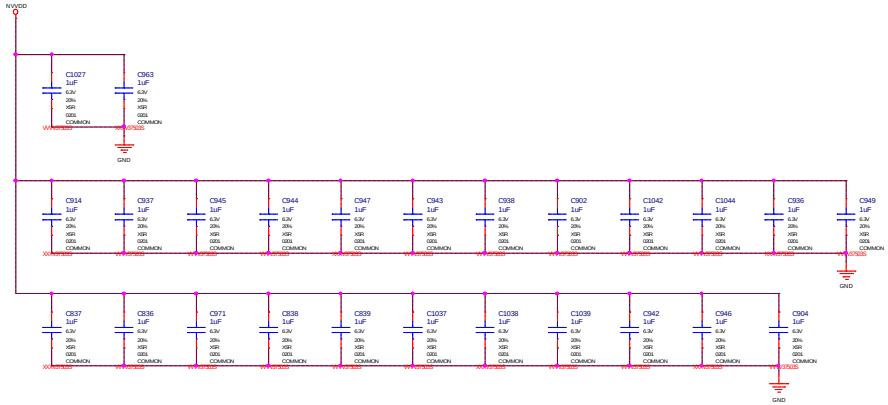


MSI	MICRO-STAR INT'L CO.,LTD	
	MS-V375	
Size: Custom	Document Description: GPU Decoupling 1	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 16 of 53	

Page17: GPU Decoupling 2

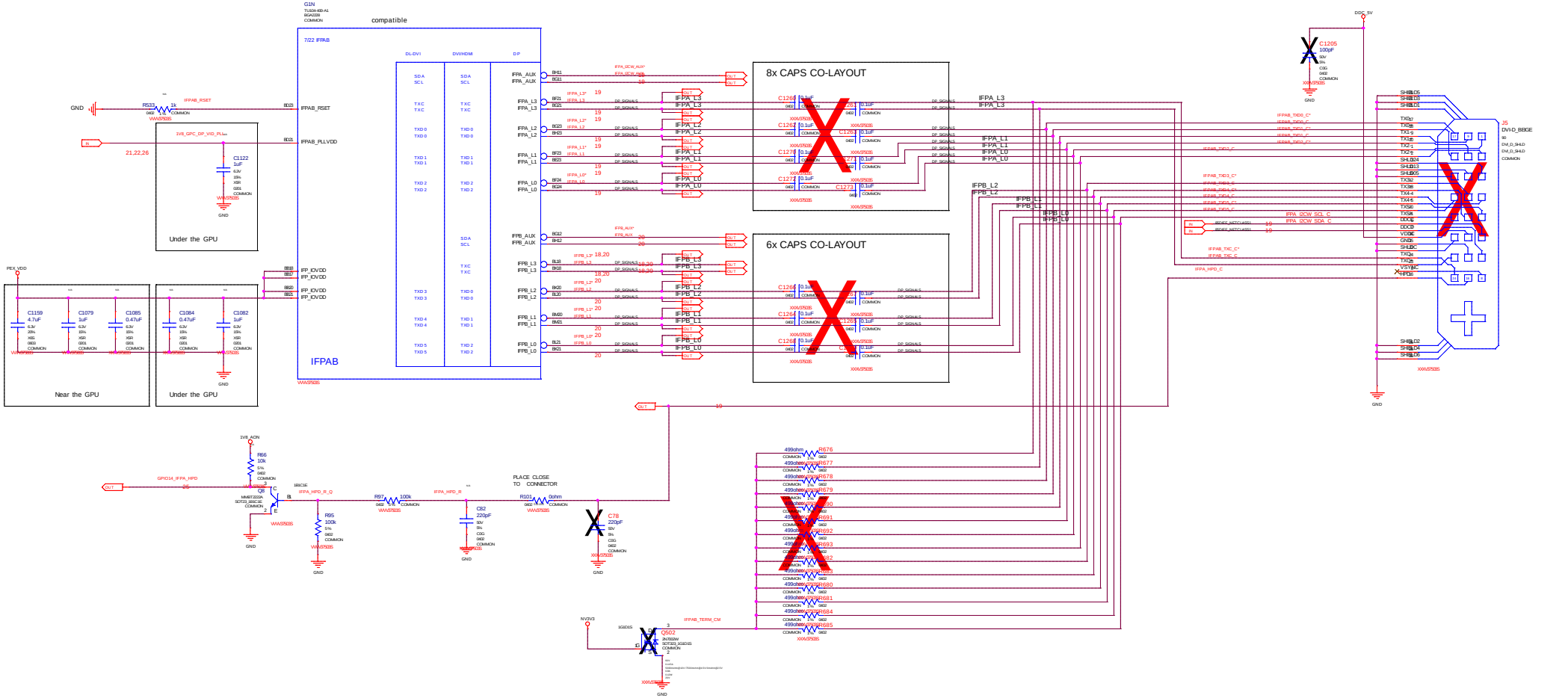
NVVDD



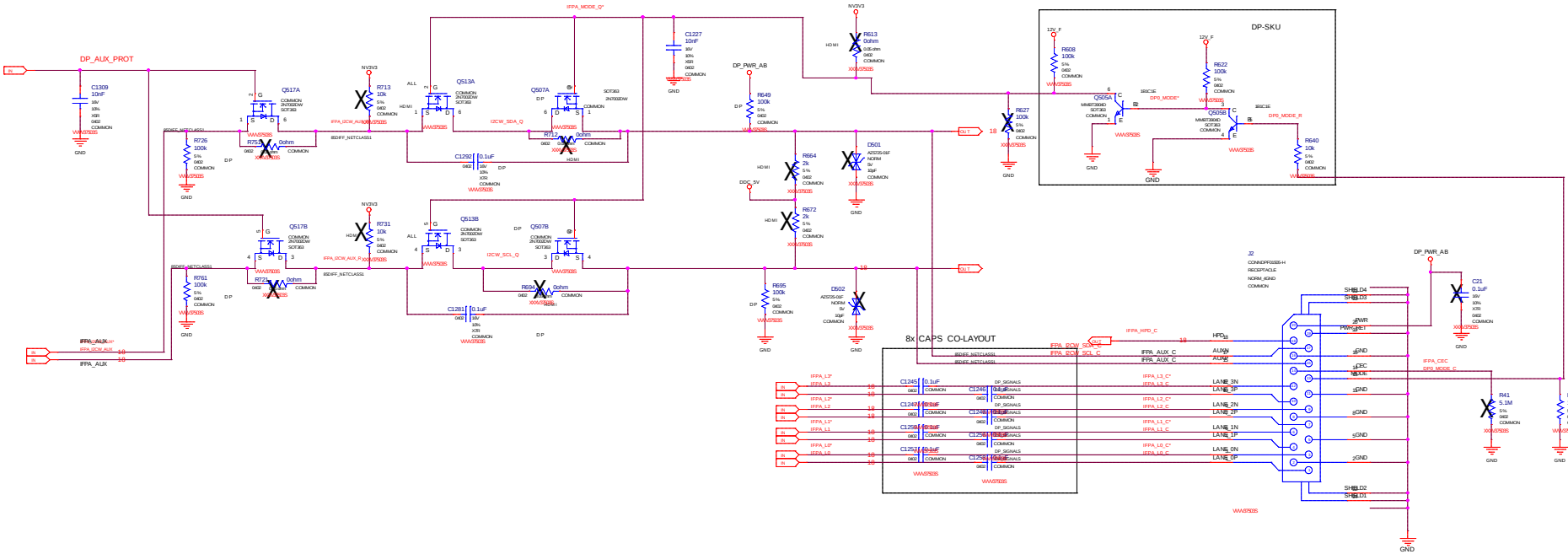


MSI	MICRO-STAR INT'L CO.,LTD	
	MS-V375	
Size: Custom	Document Description: GPU Decoupling 2	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 17 of 53	

IFPAB DVI-D-DL CO-LAYOUT WITH 2x DP



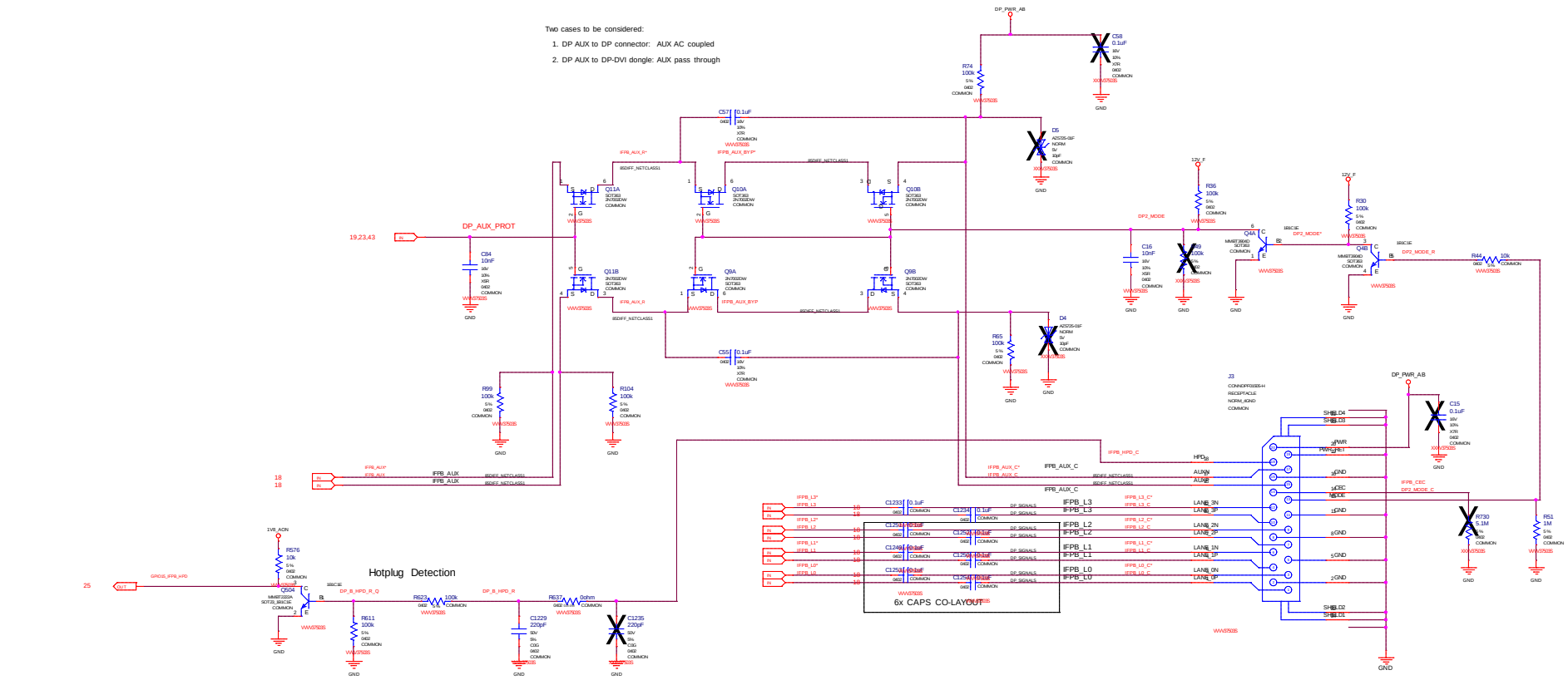
MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: IFPAB DVI-D-DL	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 18 of 53	

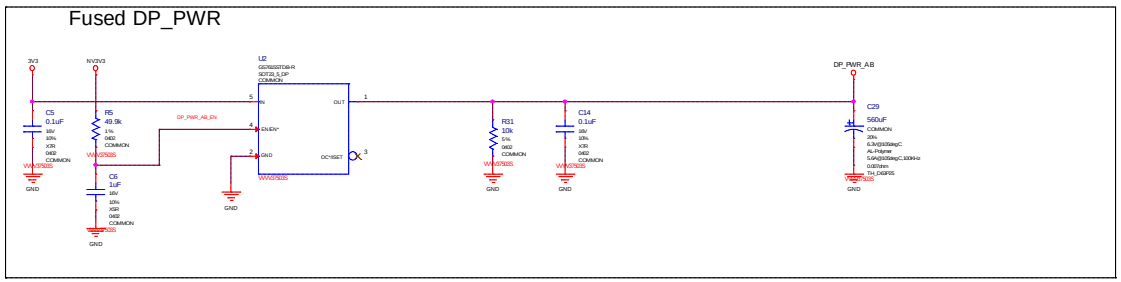


IFPA DP CO-LAYOUT WITH IFPAB DVI-D-DL

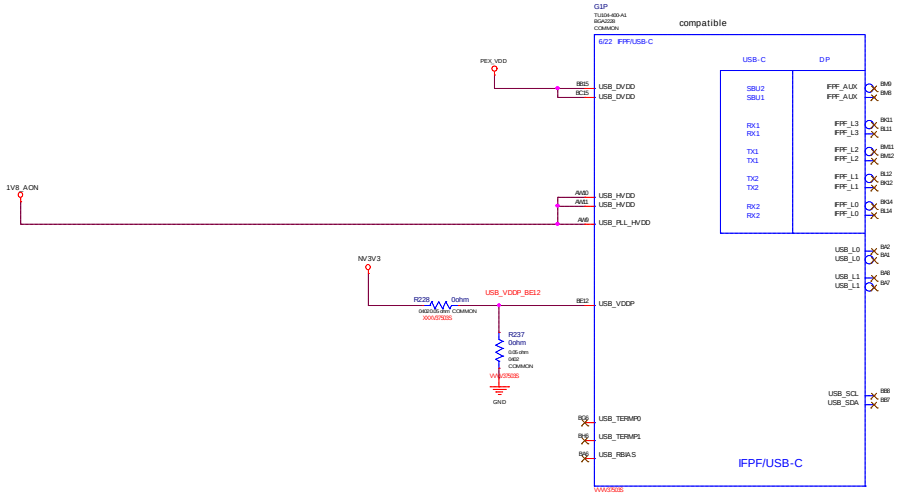
MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: IFPA DP	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 19 of 53	

IFPB DP CO-LAYOUT WITH IFPAB DVI-D-DL

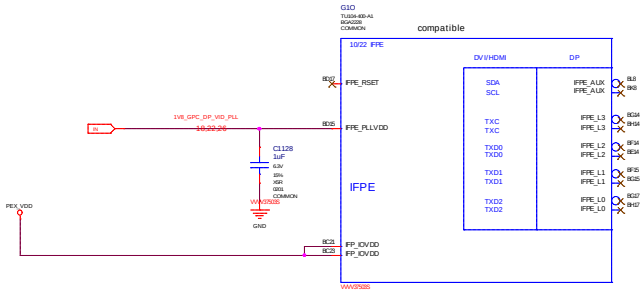




MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: IFPB DP	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 20 of 53	

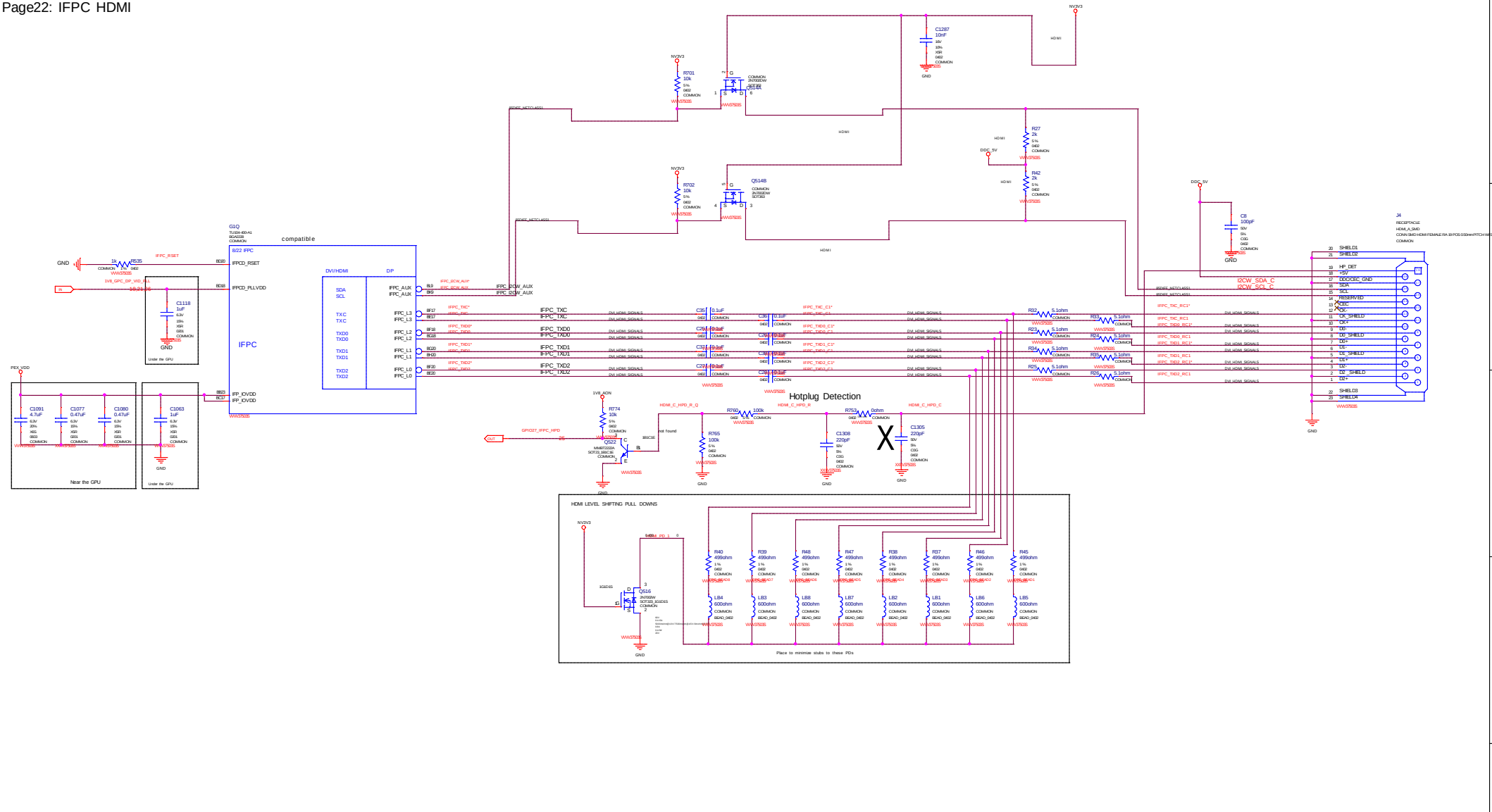


IFPF NC

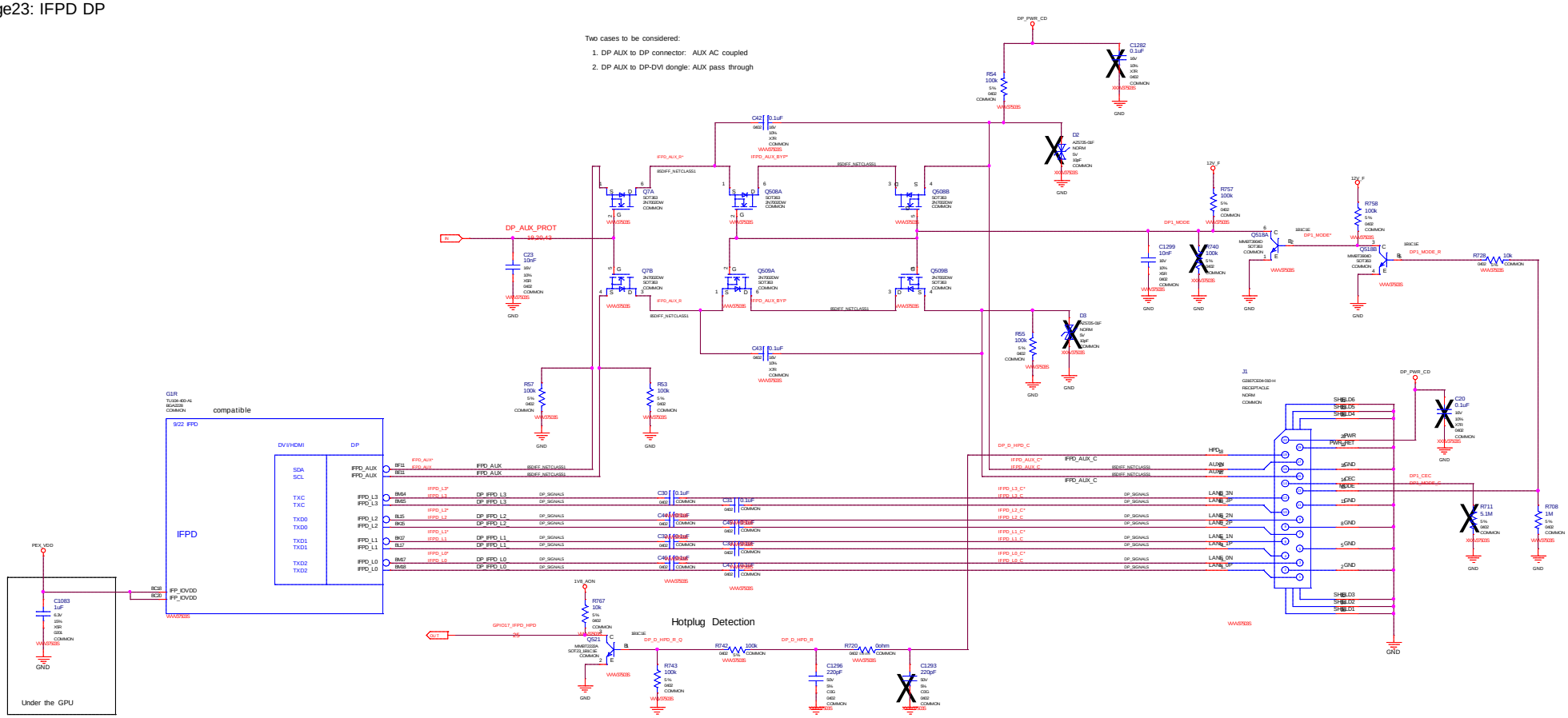


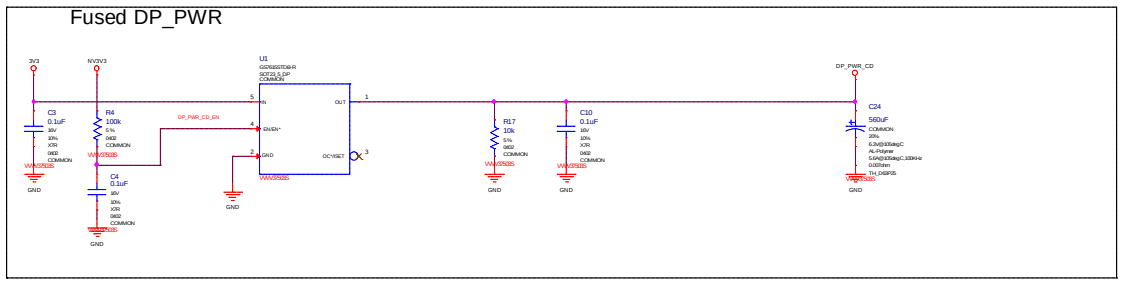
IFPE NC

MICRO-STAR INT'L CO.,LTD
MS-V375
Size: Custom
Document Description: IFPE & IFPF USB-C NC
Rev: 2.0
Date: Tuesday, December 04, 2018
Sheet 21 of 53
21-OCT-2018



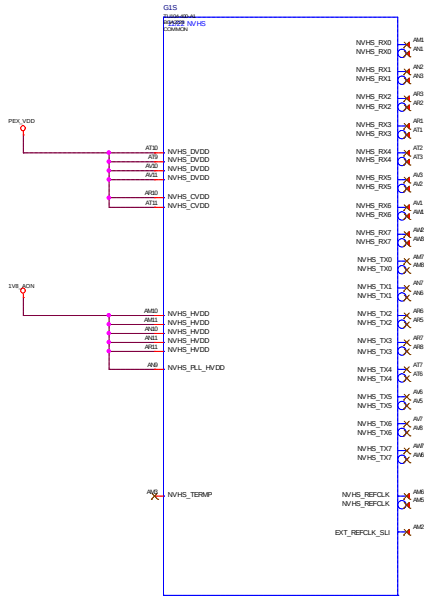
MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: IFPC HDMI	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 22 of 53	





MICRO-STAR INT'L CO.,LTD	
MS-V375	
Size: Custom	Document Description: IFPD DP
Rev: 2.0	
Date: Tuesday, December 04, 2018	Sheet 23 of 53

Page24: NVHS Interface and Frame Lock



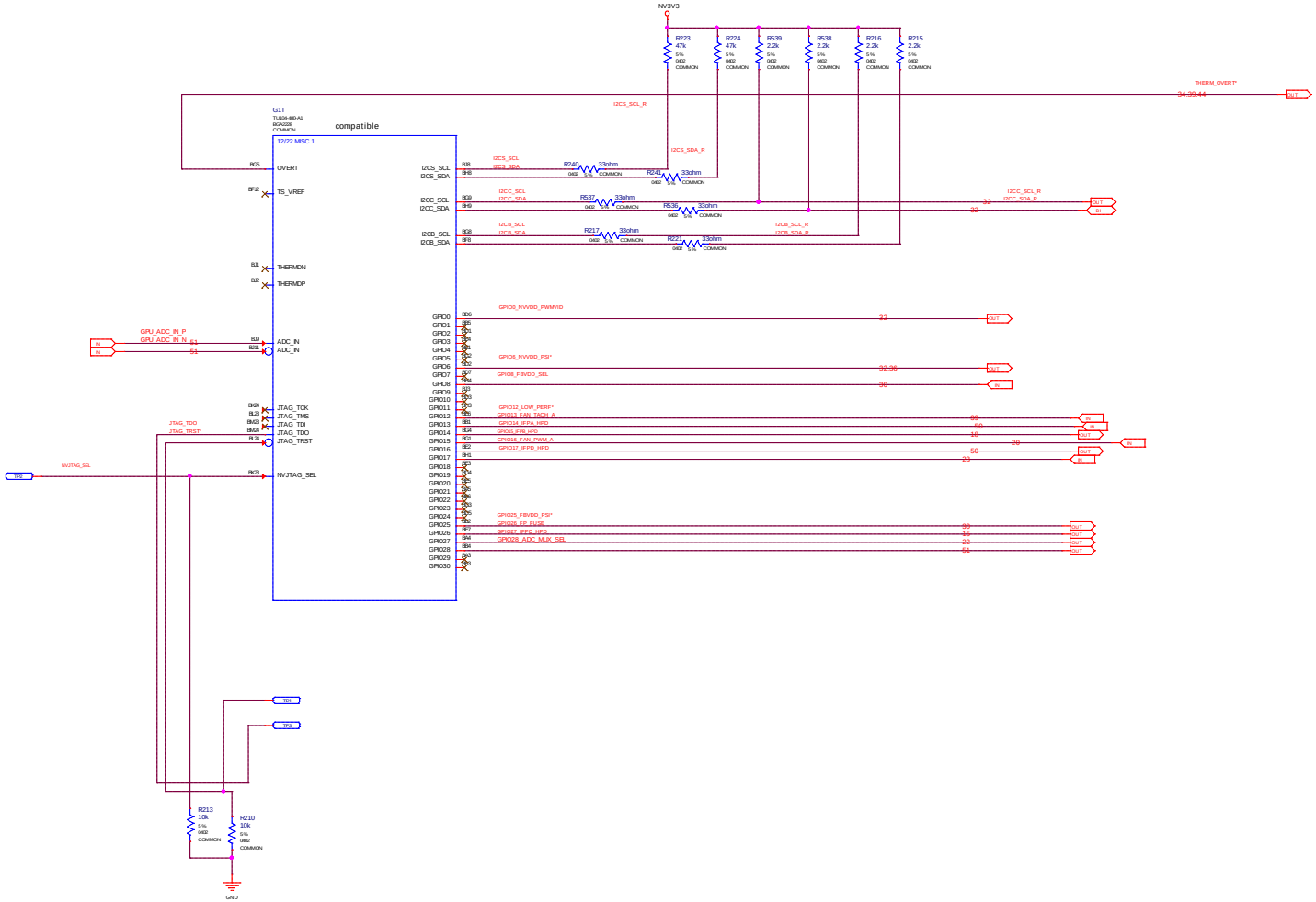
MICRO-STAR INT'L CO.,LTD

MS-V375

Size	Document Description	Rev
Custom	NVHS Interface and Frame Lock	2.0

Date: Tuesday, December 04, 2018 Sheet 24 of 53

Page25: MISC1: Fan, Thermal, JTAG, GPIO



MICRO-STAR INT'L CO.,LTD

MS-V375

Size	Document Description	Rev
Custom	MISC1: Fan, Thermal, JTAG, GPIO	2.0

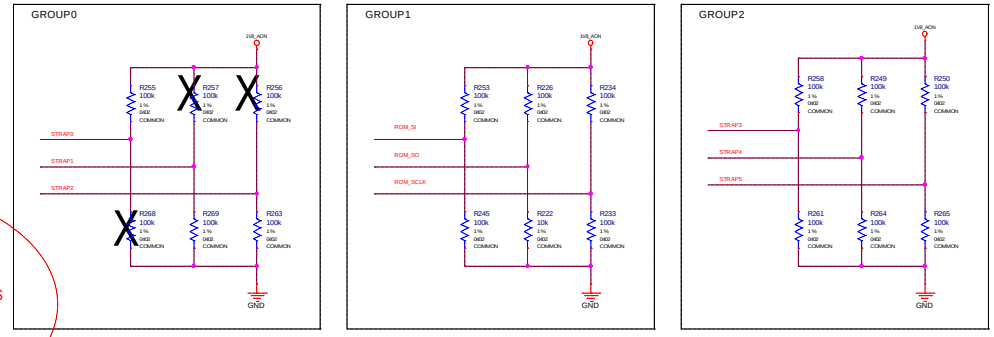
Date: Tuesday, December 04, 2018 Sheet 25 of 53

Page26: MISC2: ROM, XTAL, Straps

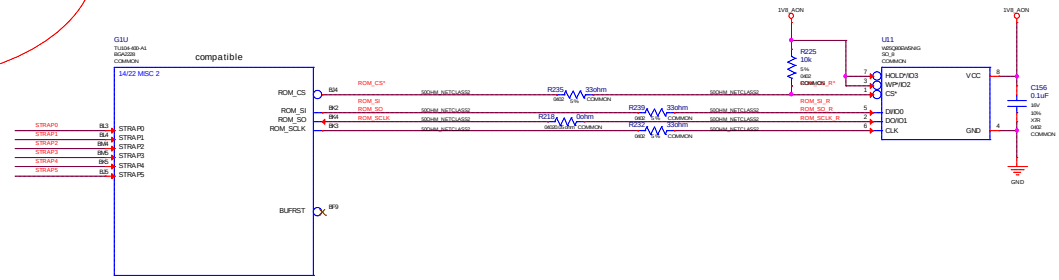
STRAP2	STRAP1	STRAP0	RAMCFG[4:0]
L	L	L	00000
L	L	H	00001
L	H	L	00010
L	H	H	00011
H	H	L	00110
H	H	H	00111
L	L	M	01000

RAMCFG[4:0]	DENSITY	WIDTH	VENDOR	DIE
00000	8Gb	256-bit	Samsung	C
00001	8Gb	256-bit	Micron	A
00010	8Gb	256-bit	Hynix	M
00011	8Gb	256-bit	Samsung	C
00100	8Gb	256-bit	Micron	A
00101	8Gb	256-bit	Hynix	M
00110	16Gb	256-bit	Samsung	M
00111				

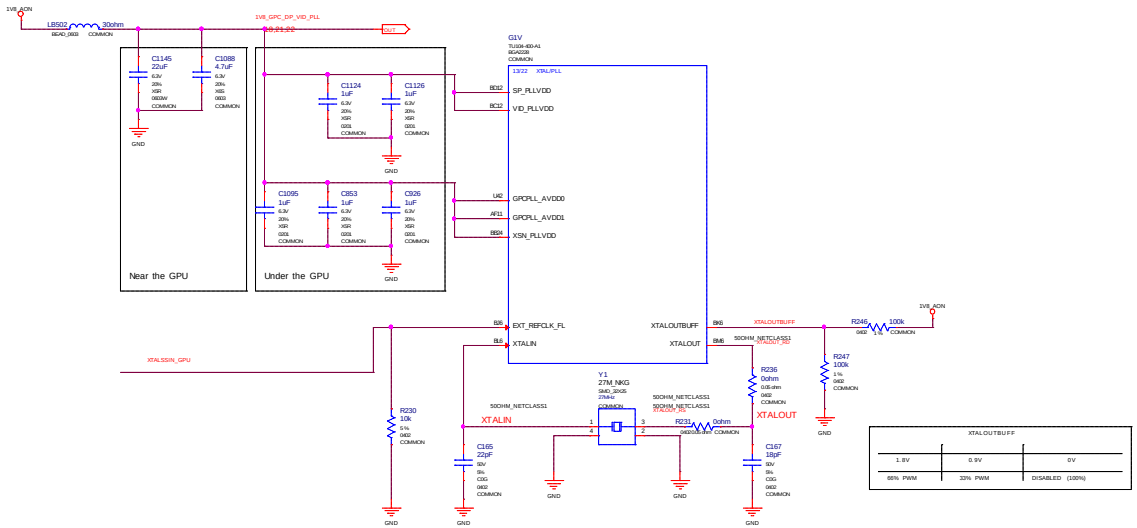
注 意 上 件的MEM Straps



ROM_SO	ROM_SI	ROM_SCLK	DUMMY[2:0],FS_OVERT	1:ENABLE 0:DISABLE	
L	L	L	XXX1	FS_OVERT ENABLE	DEFAULT
L	L	M	XXX0	FS_OVERT DISABLE	



STRAP5	STRAP4	STRAP3	SMB_ALT_ADDR	DEVID_SEL	PCIE_CFG	VGA_DEVICE
M	H	H	1	1	1	1
M	H	L	1	1	1	0
M	L	H	1	1	0	1
M	L	L	1	1	0	0
L	H	M	1	0	1	1
L	M	H	1	0	1	0
L	M	L	1	0	0	1
L	L	M	1	0	0	0
H	H	H	0	1	1	1
H	H	L	0	1	1	0
H	L	H	0	1	0	1
H	L	L	0	1	0	0
L	H	H	0	0	1	1
L	H	L	0	0	1	0
L	L	H	0	0	0	1 DEFAULT
L	L	L	0	0	0	0



H=High :Tied to 1.8V
M=Middle:Tied to 0.9V
L=Low :Tied to 0V

1:SMB_ALT_ADDR ENABLE
0:SMB_ALT_ADDR DISABLE

1:DEVID_SEL REBRAND
0:DEVID_SEL ORIGNAL

1:PCIE_CFG LOW POWER
0:PCIE_CFG HIGH POWER

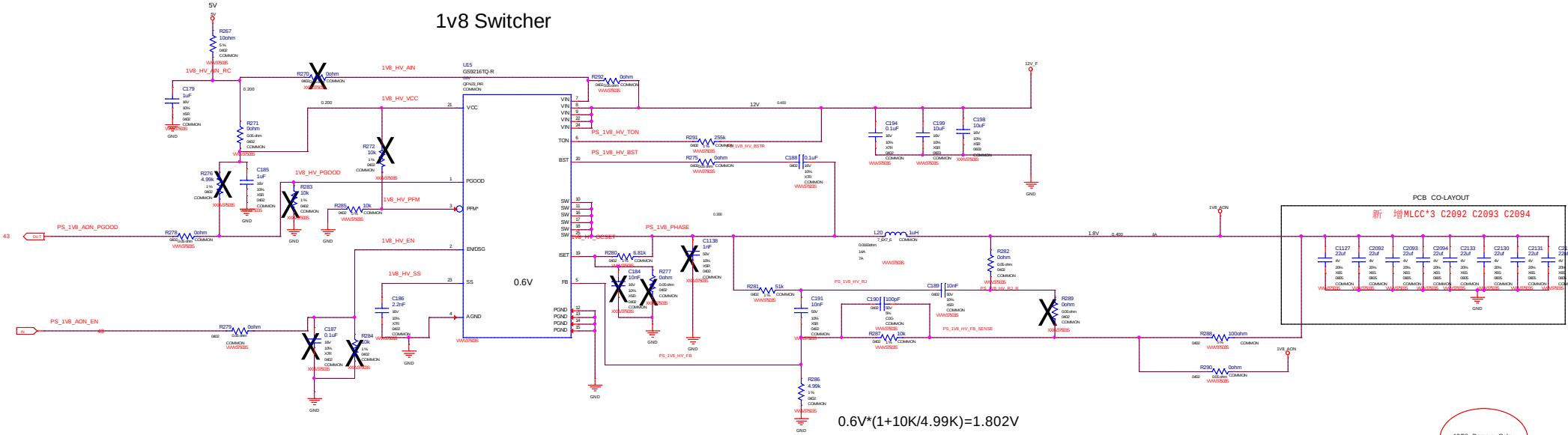
1:VGA_DEVICE ENABLE
0:VGA_DEVICE DISABLE

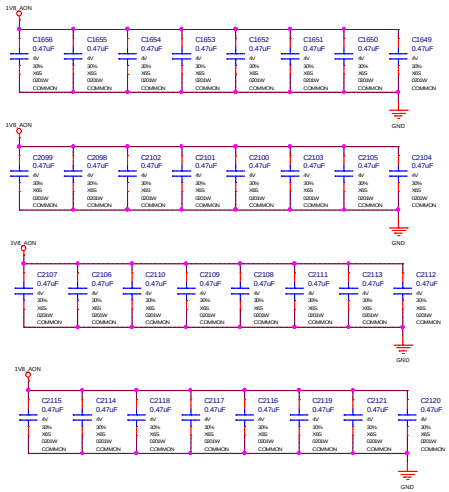
XTALOUTBUFF		
1.8V	0.9V	0V
66% PWM	33% PWM	DISABLED (100%)

MICRO-STAR INT'L CO.,LTD
MS-V375

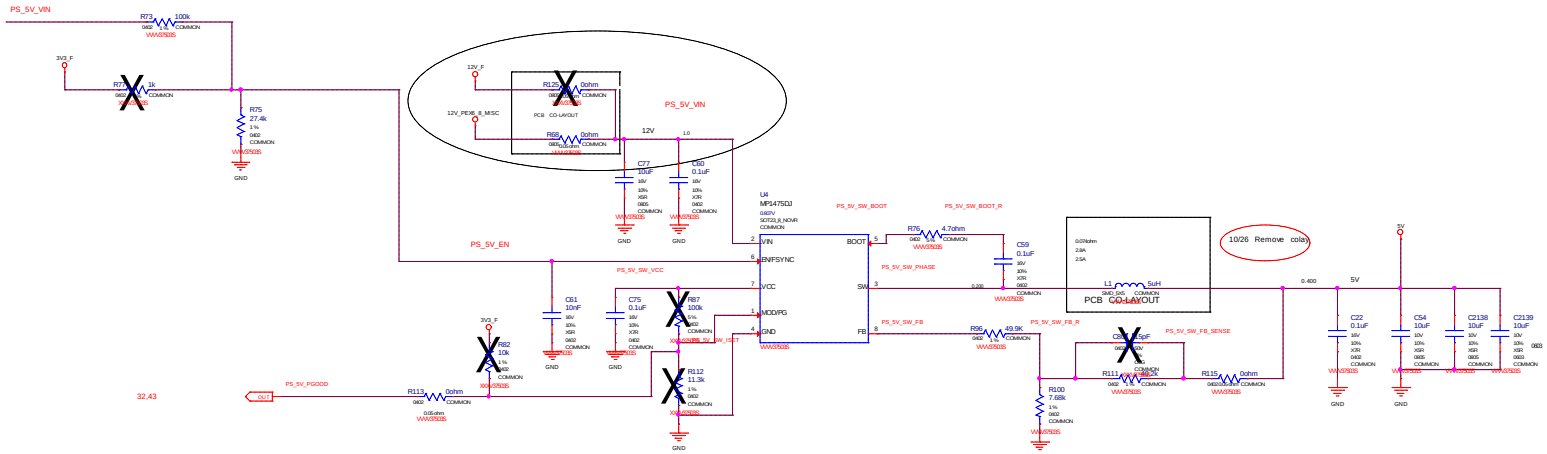
Size	Document Description	Rev
Custom	MISC2: ROM, XTAL, Straps	2.0
Date: Tuesday, December 04, 2018	Sheet 26 of 53	

1v8 Switcher





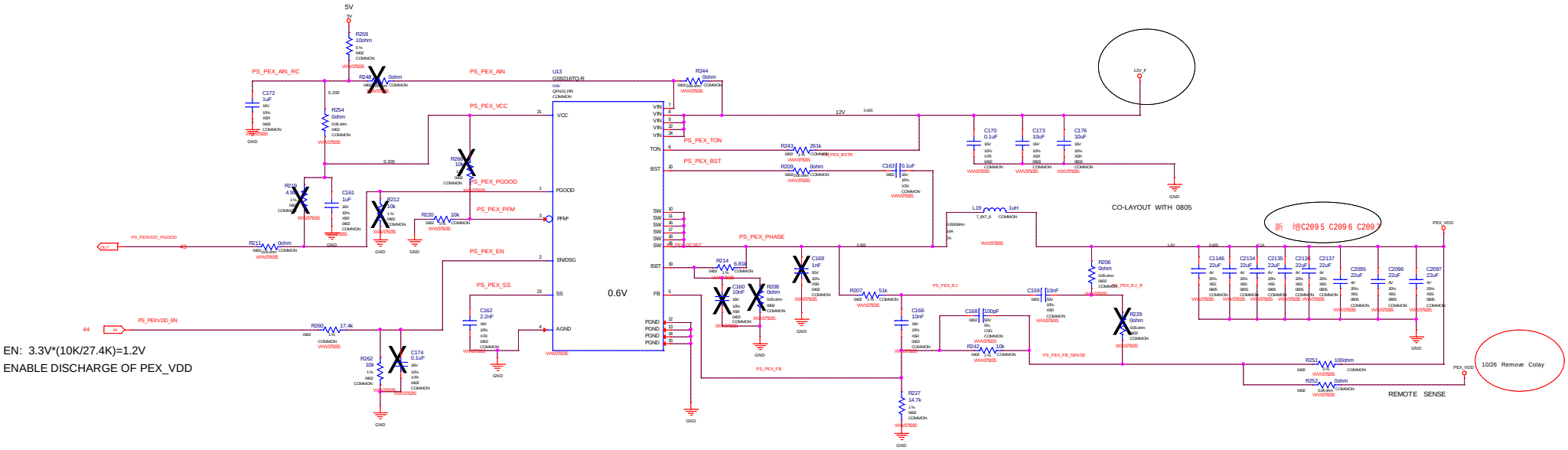
MICRO-STAR INT'L CO.,LTD	
MS-V375	
Size: Custom	Document Description: PS: 1V8_AON
Rev: 2.0	
Date: Tuesday, December 04, 2018	Sheet 27 of 53



0.8V*(1+40.2K/7.68K)=4.9875V

MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: PS: 5V	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 28 of 53	

PEX Switcher

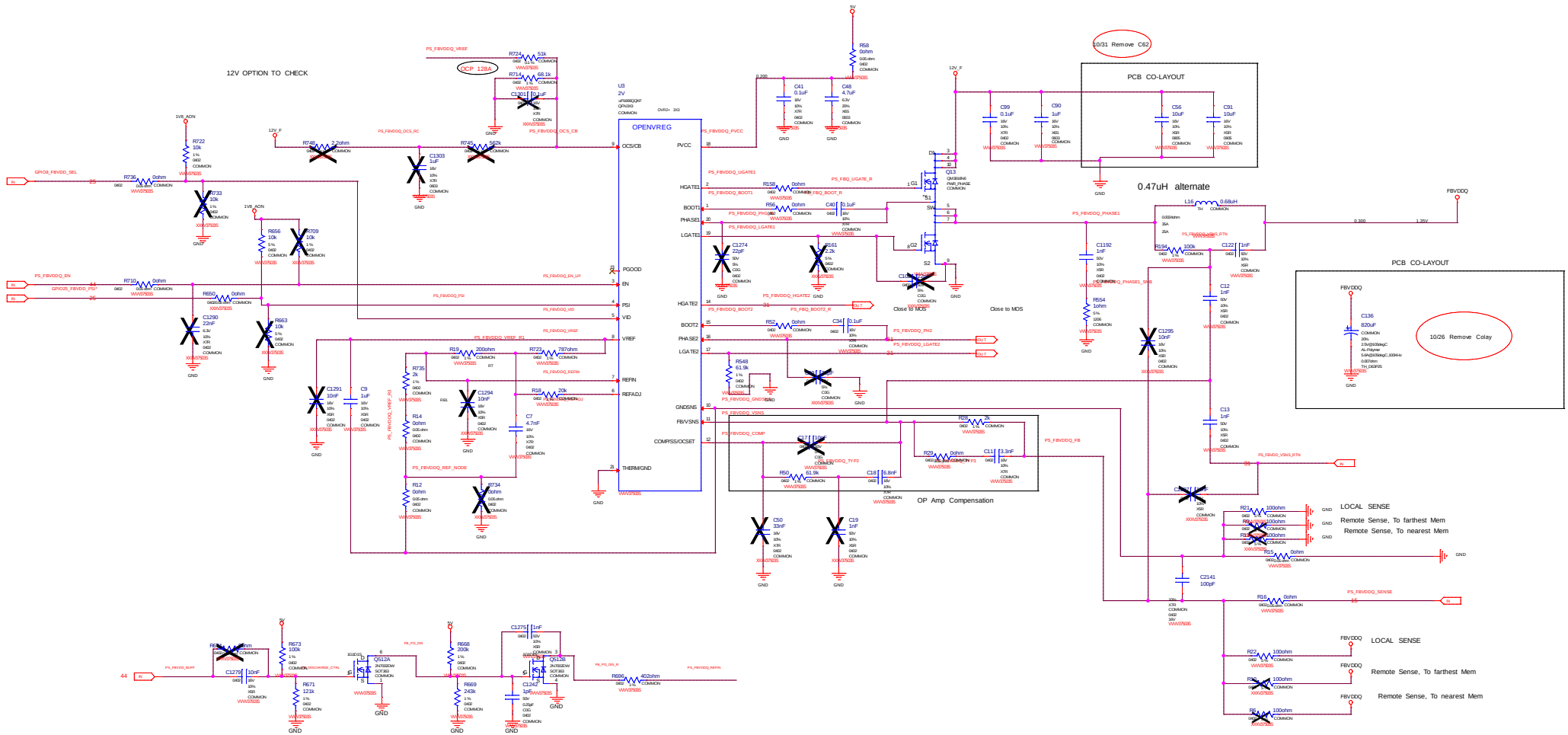


EN: 3.3V*(10K/27.4K)=1.2V

ENABLE DISCHARGE OF PEX_VDD

0.6V*(1+10K/14.7K)=1.008V

MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: PS: PEXVDD	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 29 of 53	

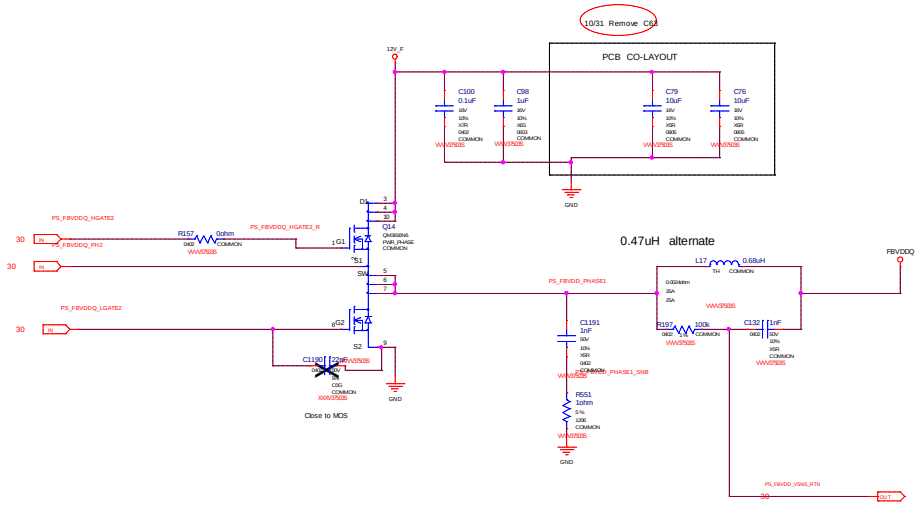


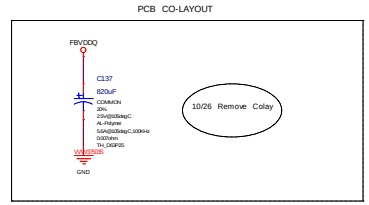
MICRO-STAR INT'L CO.,LTD

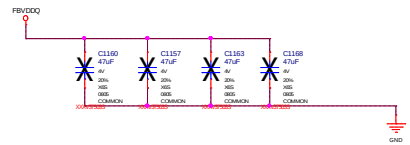
MS-V375

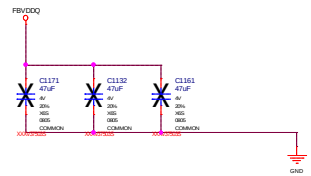
Size	Document Description	Rev
Custom	PS: FBVDDQ	2.0

Date: Tuesday, December 04, 2018 Sheet 30 of 53

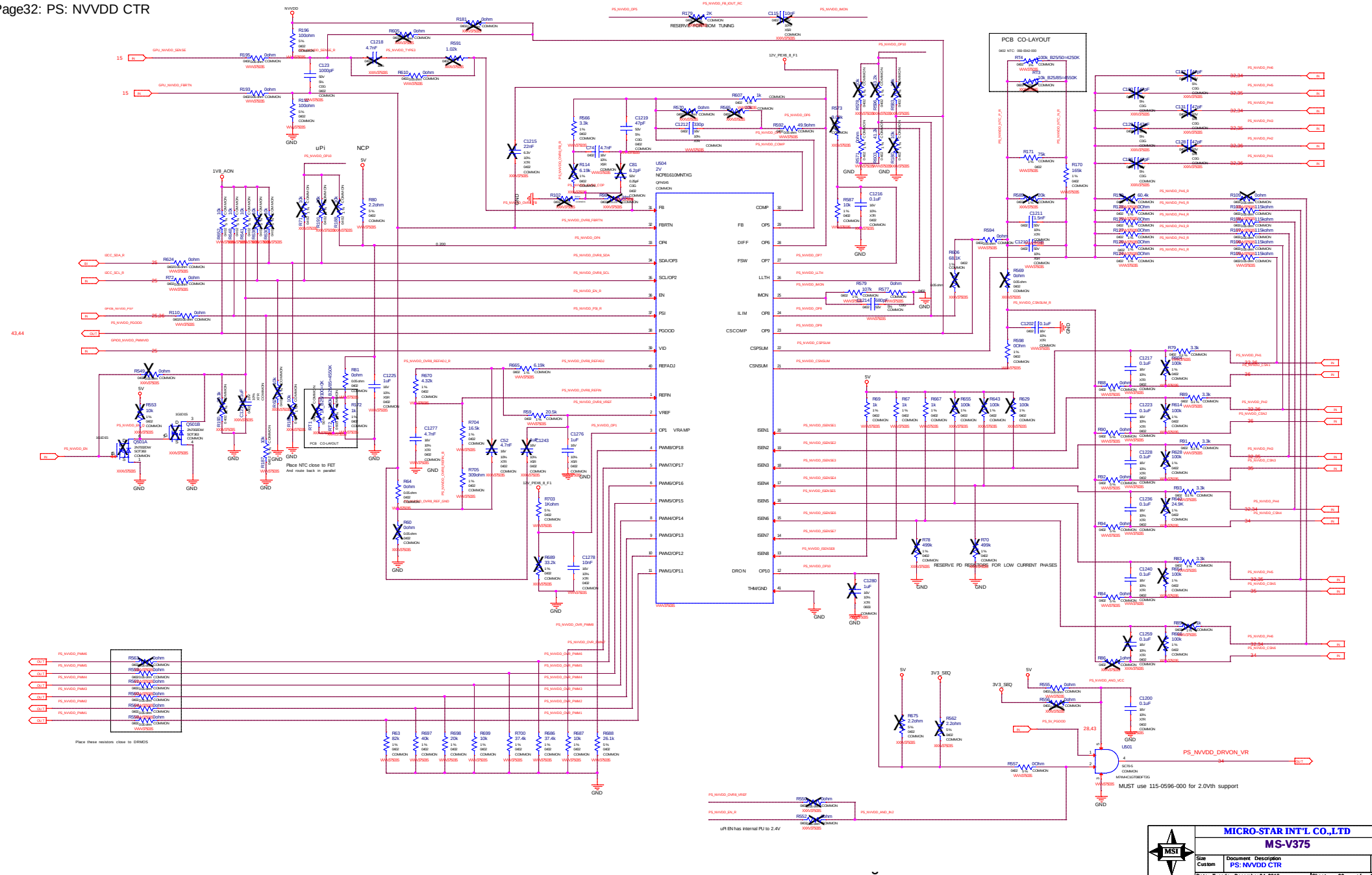




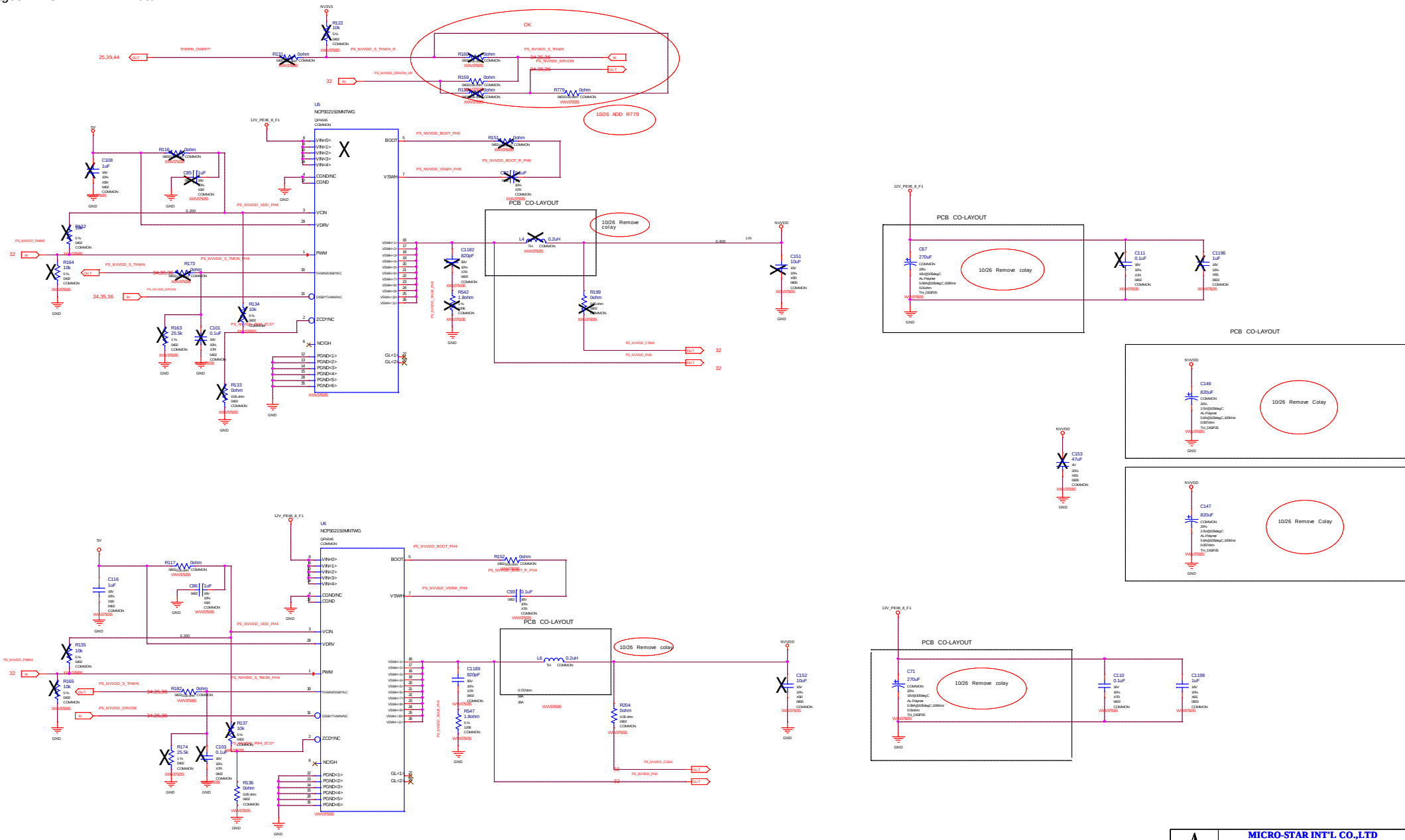


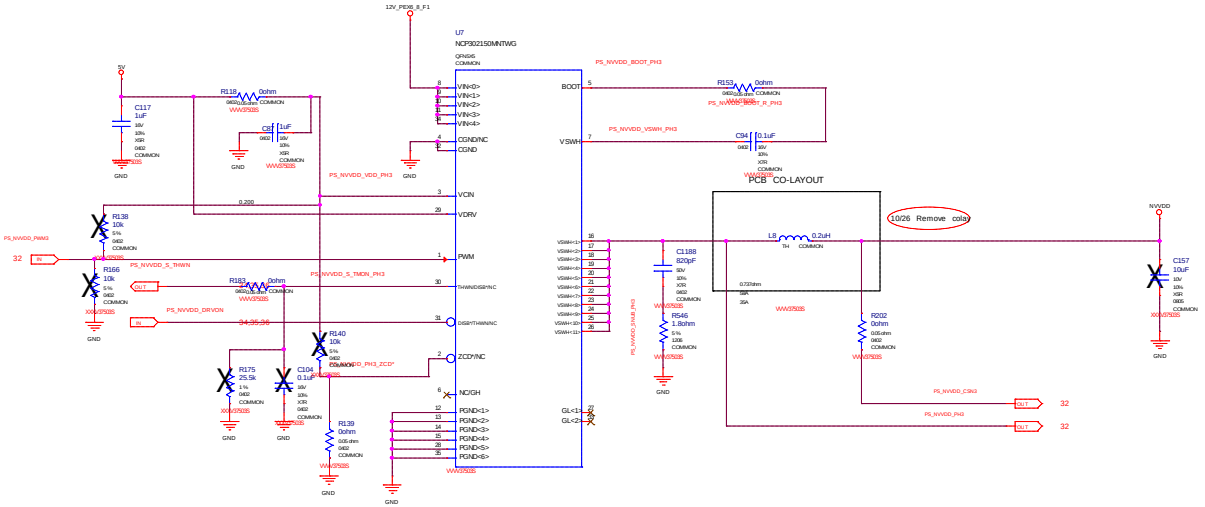


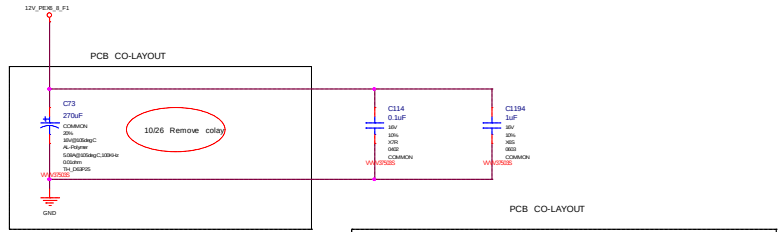
MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: PS: FBVDDQ PH2	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 31 of 53	

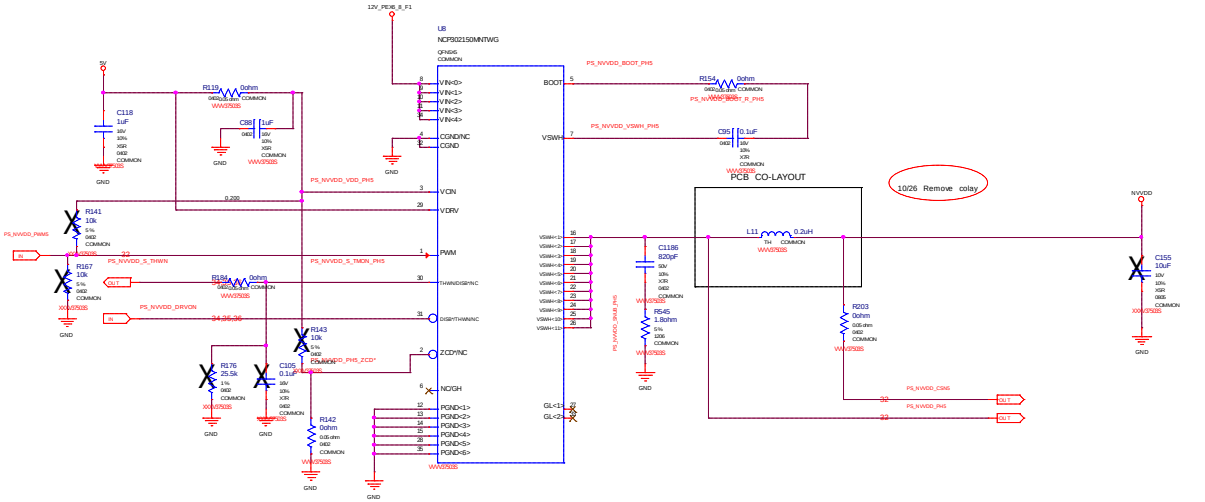


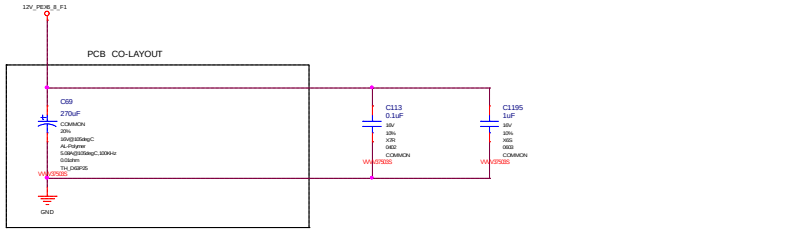
DROP OVR3i SOLUTION



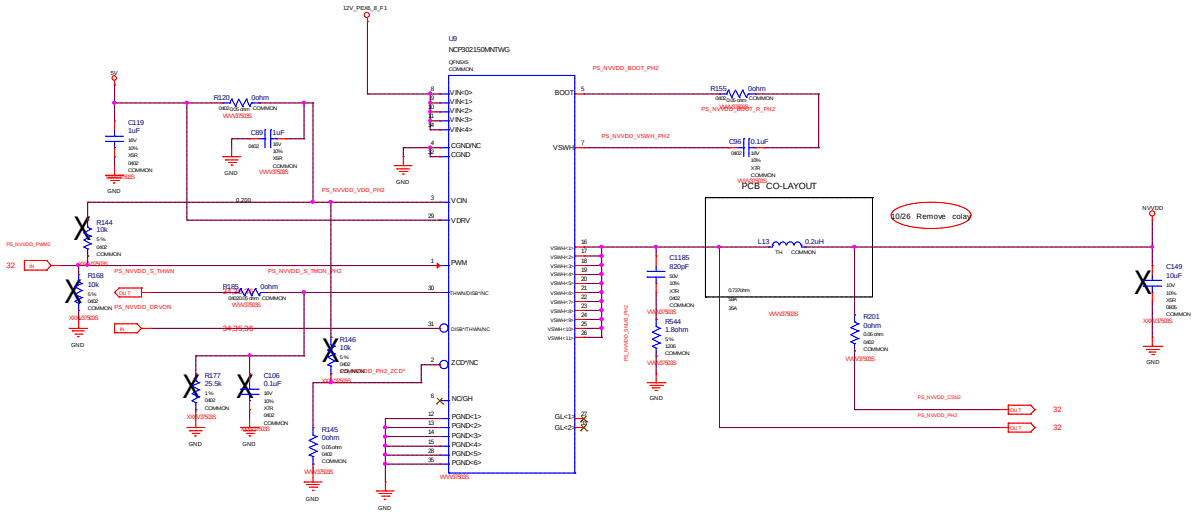


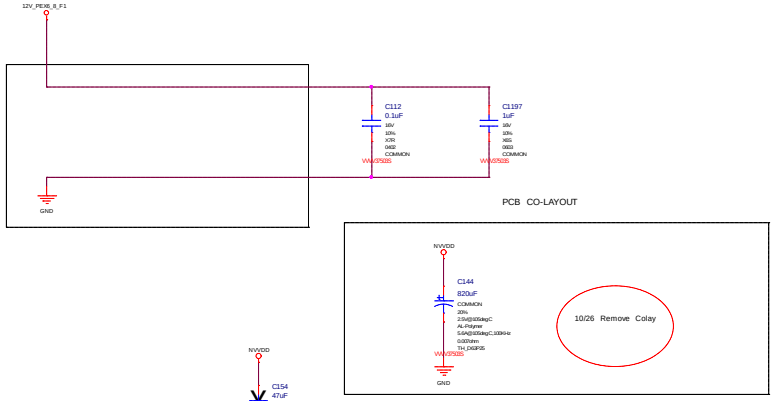


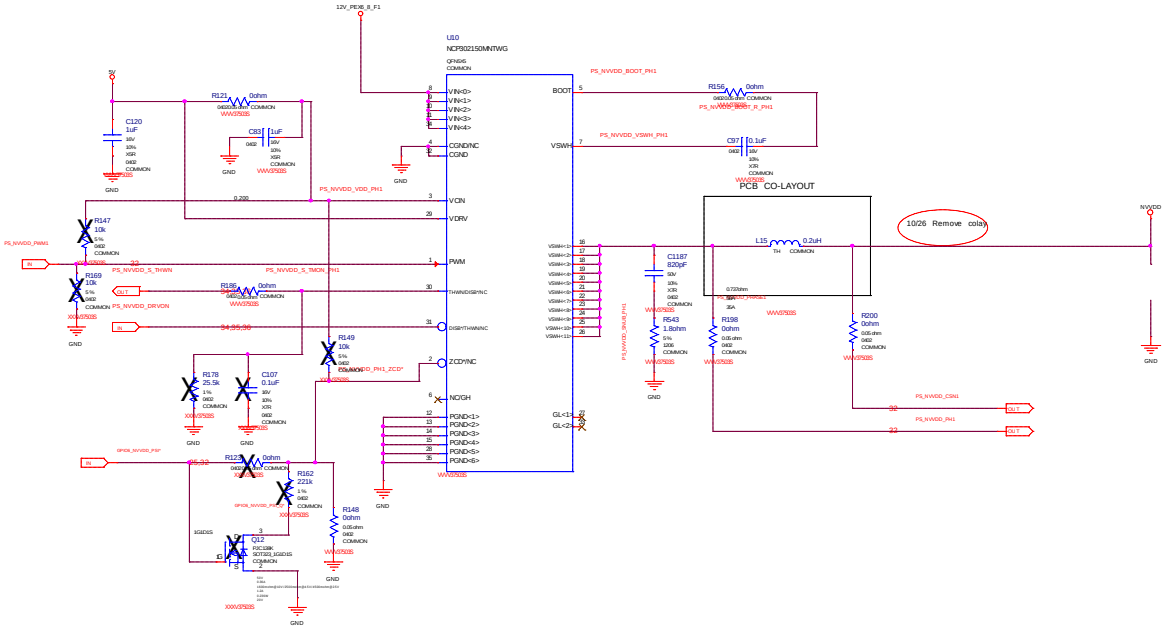


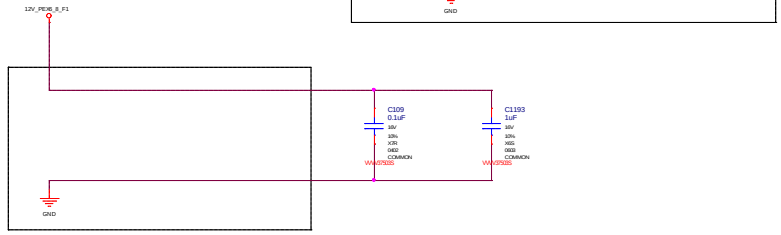


MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: PS: NVVDD PH3&5	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 35 of 53	





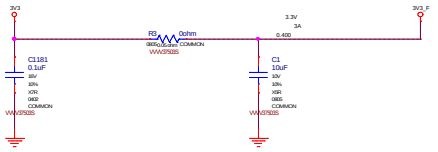




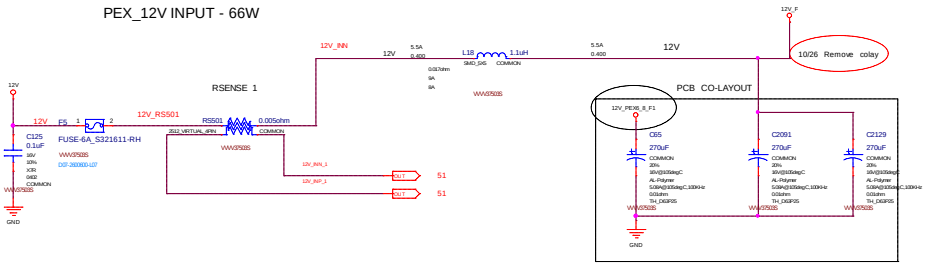
MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: NVVDD PH2&1	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 36 of 53	

DELETE RAIL BALANCE CIRCUIT

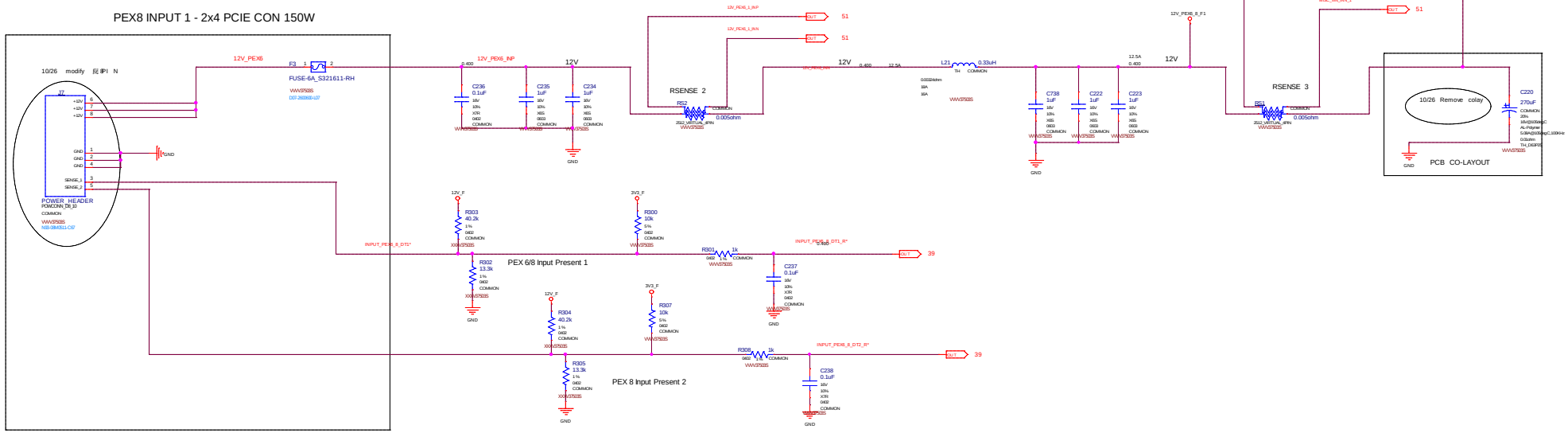
PEX 3V3 INPUT - 10W



PEX_12V INPUT - 66W



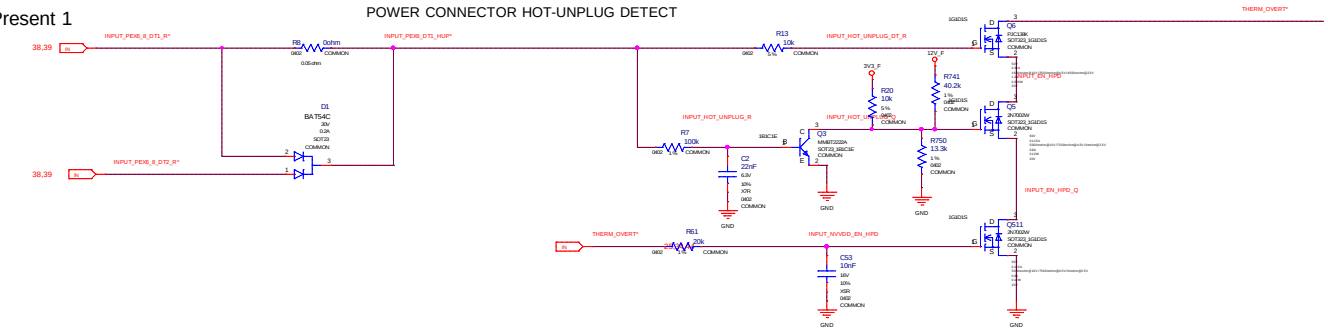
PEX8 INPUT 1 - 2x4 PCIE CON 150W



MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: PS: Inputs, Filtering, and Monitoring	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 38 of 53	

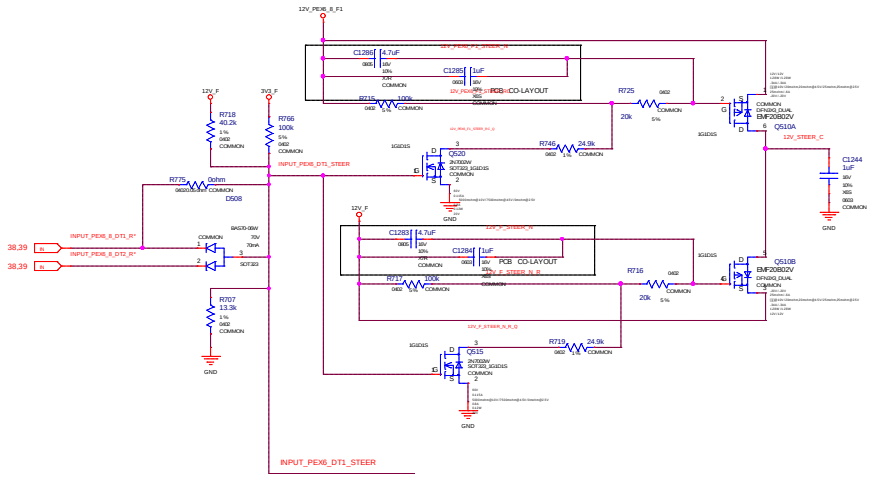
PEX Input Present 1

POWER CONNECTOR HOT-UNPLUG DETECT

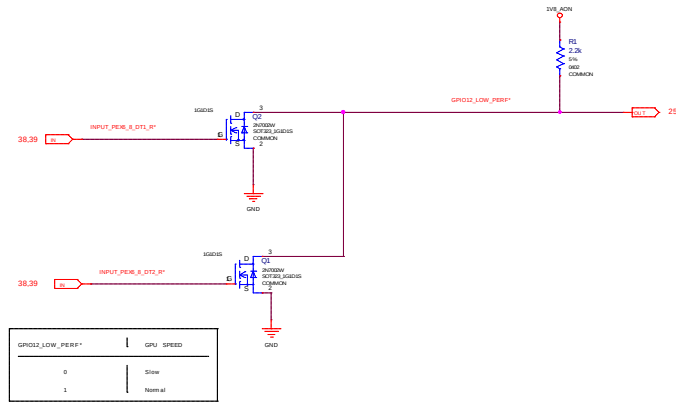


12V CURRENT STEERING (UNDER POWER BOOT):

GUIDES CURRENT FROM PEX EDGE TO PEX 6 PIN INPUT AREA



PEX Input - Power Level/PSI* Control



GPIO12_LOW_PERF*	GPU SPEED
0	Slow
1	Normal

MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: PS: HOT-UNPLUG, UNDER POWER BOOT	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 39 of 53	

Page40: BUCKBOOST

MICRO-STAR INT'L CO.,LTD

MS-V375

Size	Document Description	Rev
Custom	BUCKBOOST	2.0

Date: Tuesday, December 04, 2018 Sheet 40 of 53

Page41: PPC

MICRO-STAR INT'L CO.,LTD

MS-V375

Size	Document Description	Rev
Custom	PPC	2.0

Date: Tuesday, December 04, 2018 Sheet 41 of 53

Page42: 12V & 3V3_A SWITCHER

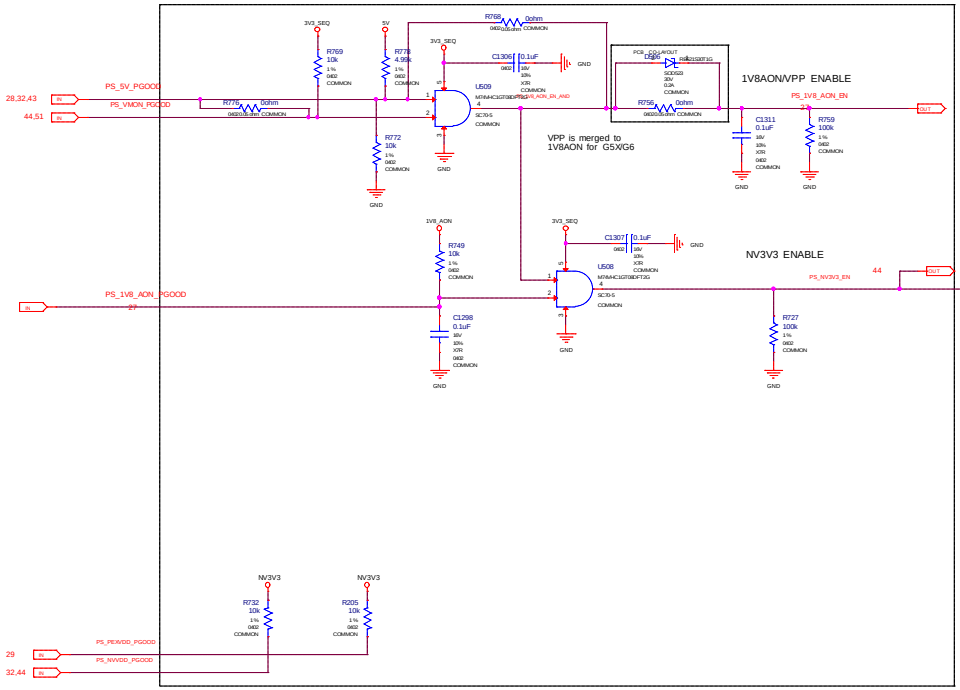
MICRO-STAR INT'L CO.,LTD

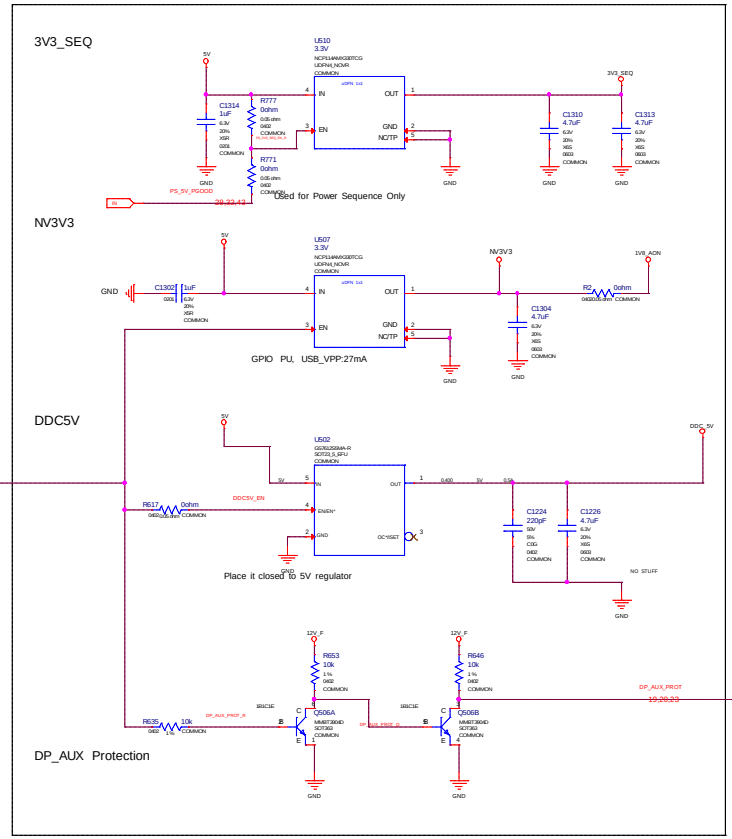
MS-V375

Size	Document Description	Rev
Custom	12V & 3V3_A SWITCHER	2.0

Date: Tuesday, December 04, 2018 Sheet 42 of 53

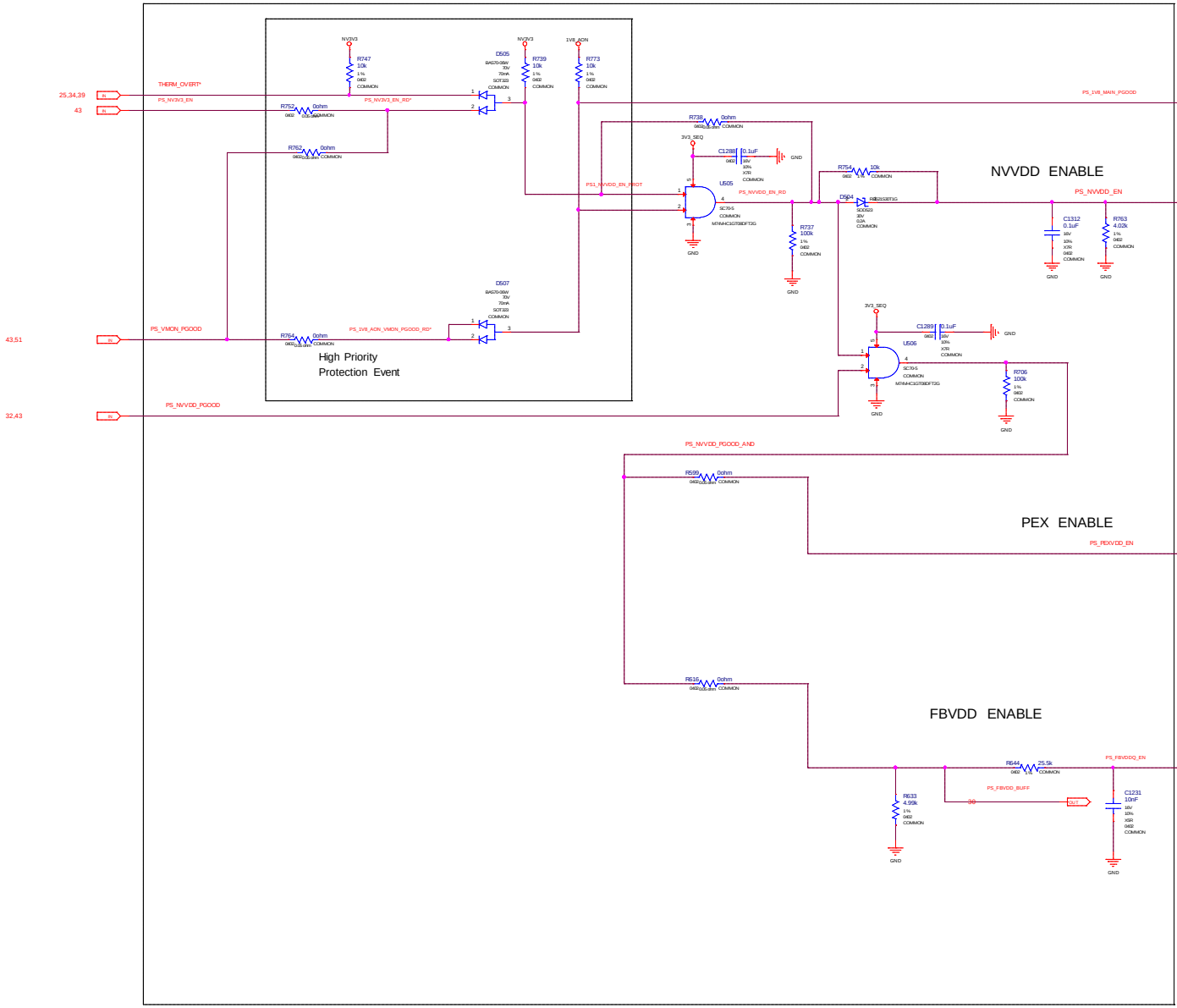
Page43: SEQ:5V,1V8,NV3V3 ENABLE





MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: SEQ:5V,1V8,NV3V3 ENABLE	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 43 of 53	

Page44: SEQ:NV,PEX,FB ENABLE



MICRO-STAR INT'L CO.,LTD
MS-V375
Size: Custom | Document Description: SEQ:NV,PEX,FB ENABLE | Rev 2.0
Date: Tuesday, December 04, 2018 | Sheet 44 of 53

Page45: SEQUENCE:Voltage Monitor

MICRO-STAR INT'L CO.,LTD

MS-V375

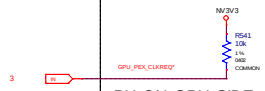
Size	Document Description	Rev
Custom	SEQUENCE:Voltage Monitor	2.0

Date: Tuesday, December 04, 2018 Sheet 45 of 53

Page46: SEQUENCE:Discharge

MICRO-STAR INT'L CO.,LTD	
MS-V375	
Size: Custom	Document Description: SEQUENCE:Discharge
Rev: 2.0	
Date: Tuesday, December 04, 2018	Sheet 46 of 53

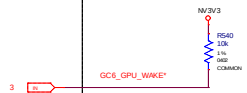
PEX_CLKREQ*



PU ON GPU SIDE

NC ON GOLD FINGER SIDE

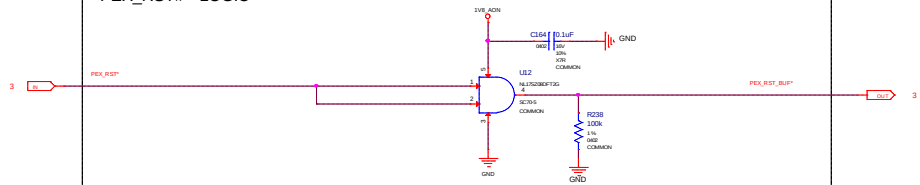
GPU_WAKE*



PU ON GPU SIDE

NC ON GOLD FINGER SIDE

PEX_RST# LOGIC

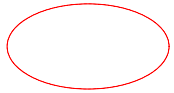


MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: SEQUENCE:MISC	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 47 of 53	

Page48: LOGO LED

MICRO-STAR INT'L CO.,LTD	
MS-V375	
Size: Custom	Document Description: LOGO LED
Rev: 2.0	
Date: Tuesday, December 04, 2018	Sheet 48 of 53

Page49: LED DRIVER & Boost



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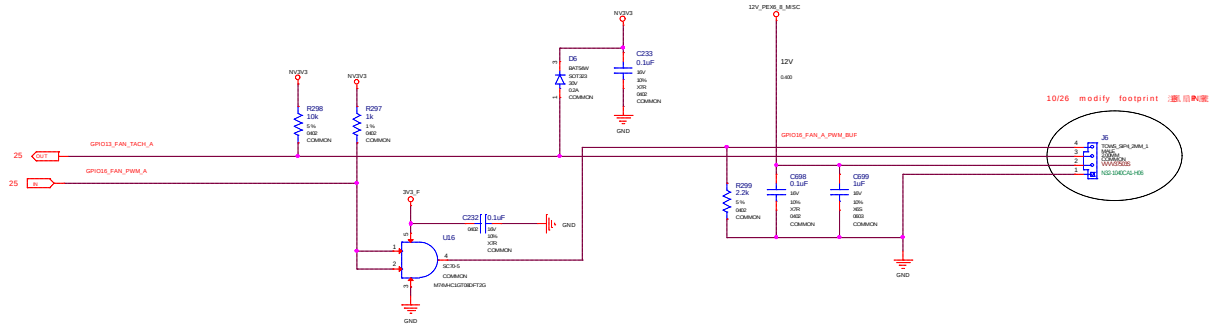
MS-V375

Size	Document Description	Rev
Custom	LED DRIVER & Boost	2.0

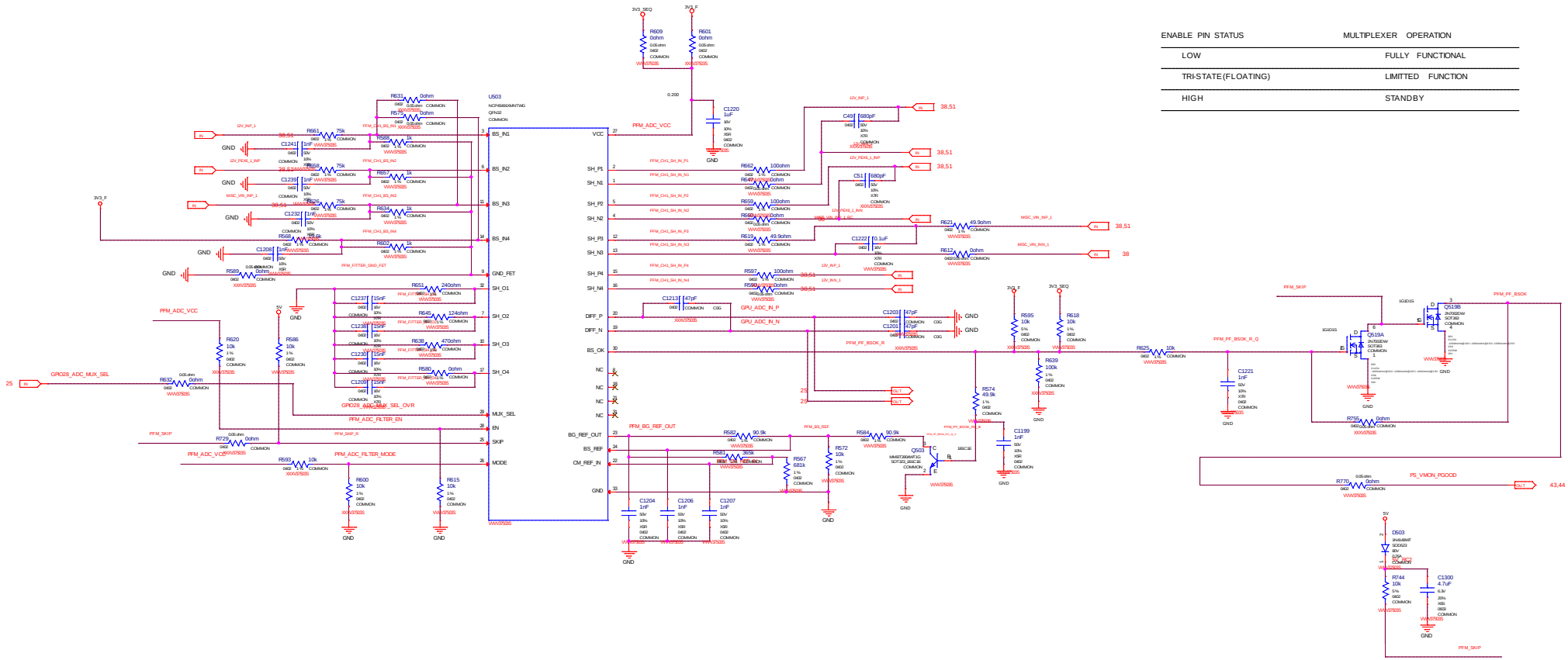
Date: Tuesday, December 04, 2018 Sheet 49 of 53



MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: FAN	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 50 of 53	

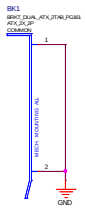
MODE PIN STATUS	MULTIPLEXER OPERATION
LOW	DEVICE A
TRI-STATE(FLOATING)	STAND-ALONE
HIGH	DEVICE B

ENABLE PIN STATUS	MULTIPLEXER OPERATION
LOW	FULLY FUNCTIONAL
TRI-STATE(FLOATING)	LIMITTED FUNCTION
HIGH	STANDBY

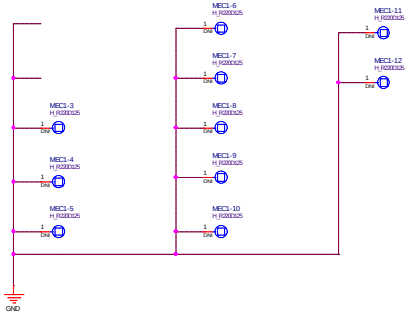


MSI	MICRO-STAR INT'L CO.,LTD	
	MS-V375	
Size: Custom	Document Description: PWR SENSE	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 51 of 53	

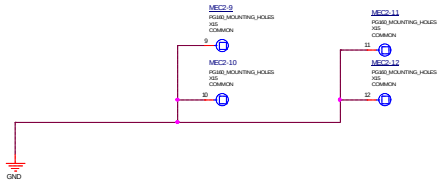
Bracket:

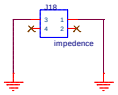


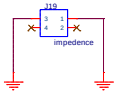
MOUNTING HOLES FOR HS:

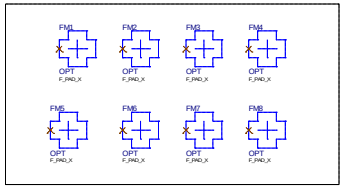


BACK STIFFENER:









MICRO-STAR INT'L CO.,LTD		
MS-V375		
Size: Custom	Document Description: MECH	Rev: 2.0
Date: Tuesday, December 04, 2018	Sheet 52 of 53	

Page53: PTC

MICRO-STAR INT'L CO.,LTD	
MS-V375	
Size: Custom	Document Description: PTC
Rev: 2.0	
Date: Tuesday, December 04, 2018	Sheet 53 of 53