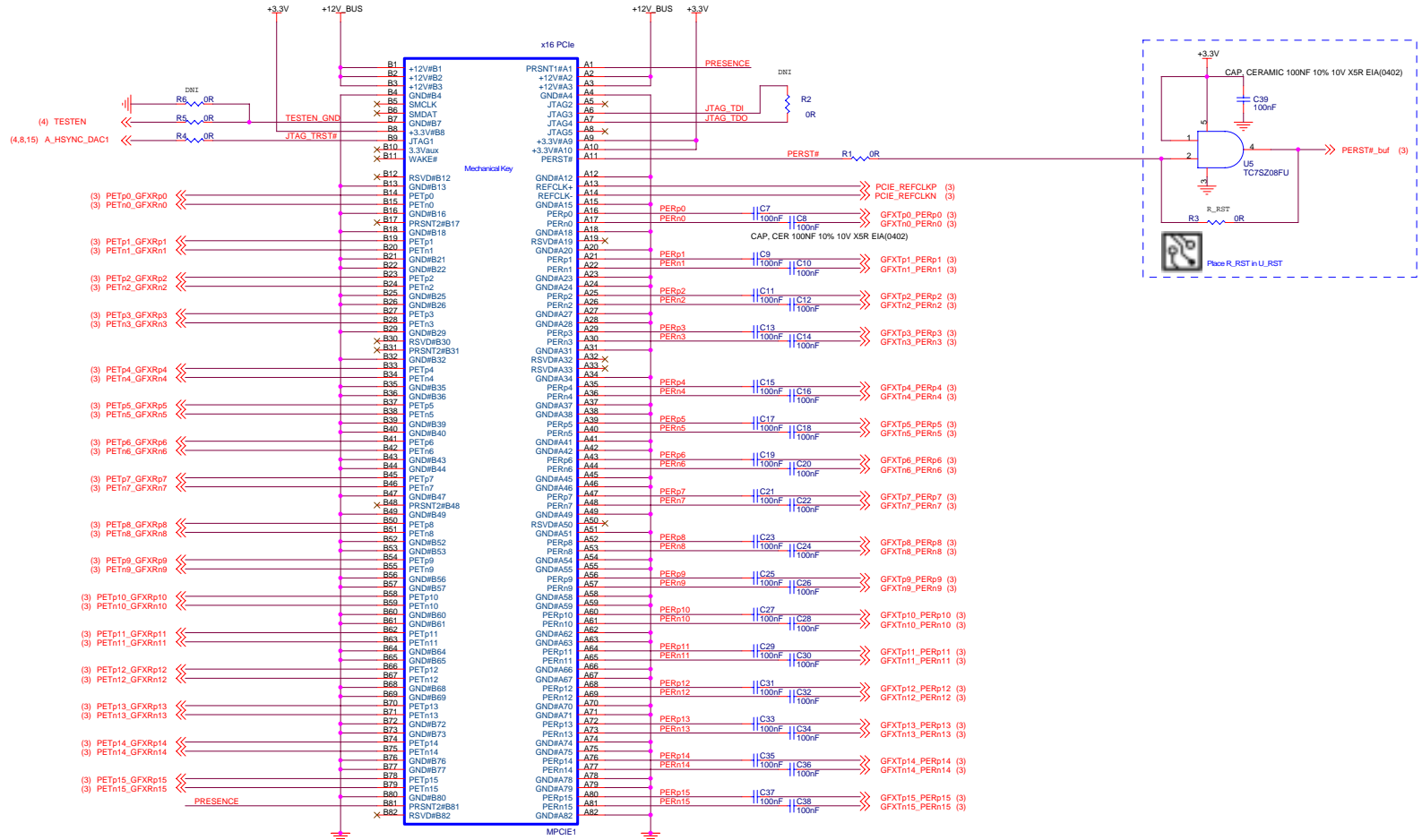
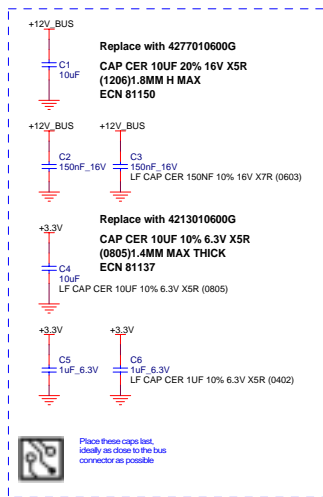


PCI-EXPRESS EDGE CONNECTOR



Power Sequence Circuit to ensure SMPS_EN is released after +12V_BUS and +3.3V_BUS are both in regulation. Pull-up may or may not be required on SMPS_EN signal depending on SMPS design.

Node 1 When +12V ramps above min Vbe, SMPS_EN will be held low

Node 2 When +3.3V gets close to regulation, one of the two conditions of releasing SMPS_EN is active

Target ~ 900mV when +3.3 at min regulation (worse case)

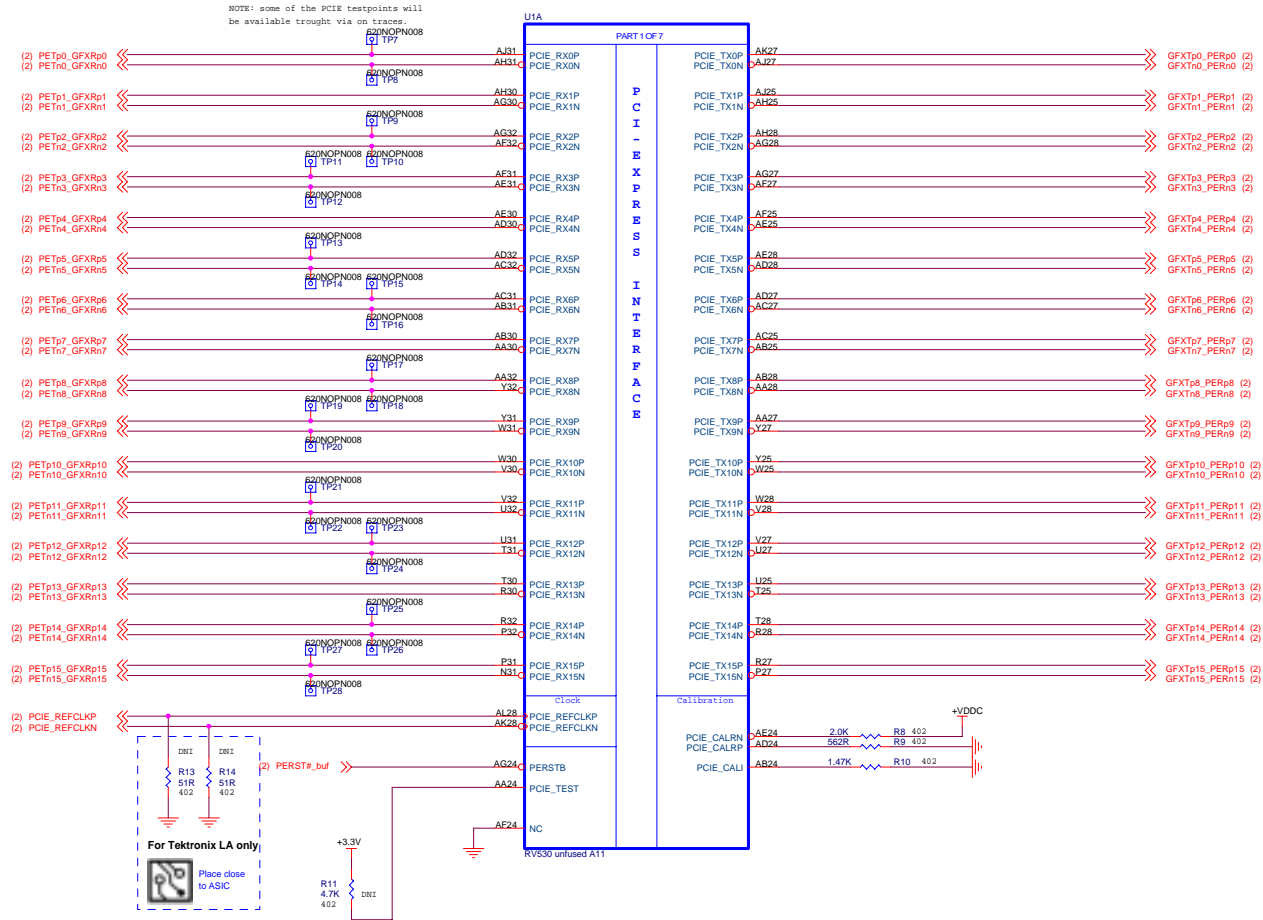
Typical trigger when +3.3V ramps above 2.2V (650mV)

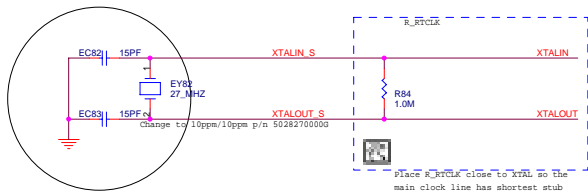
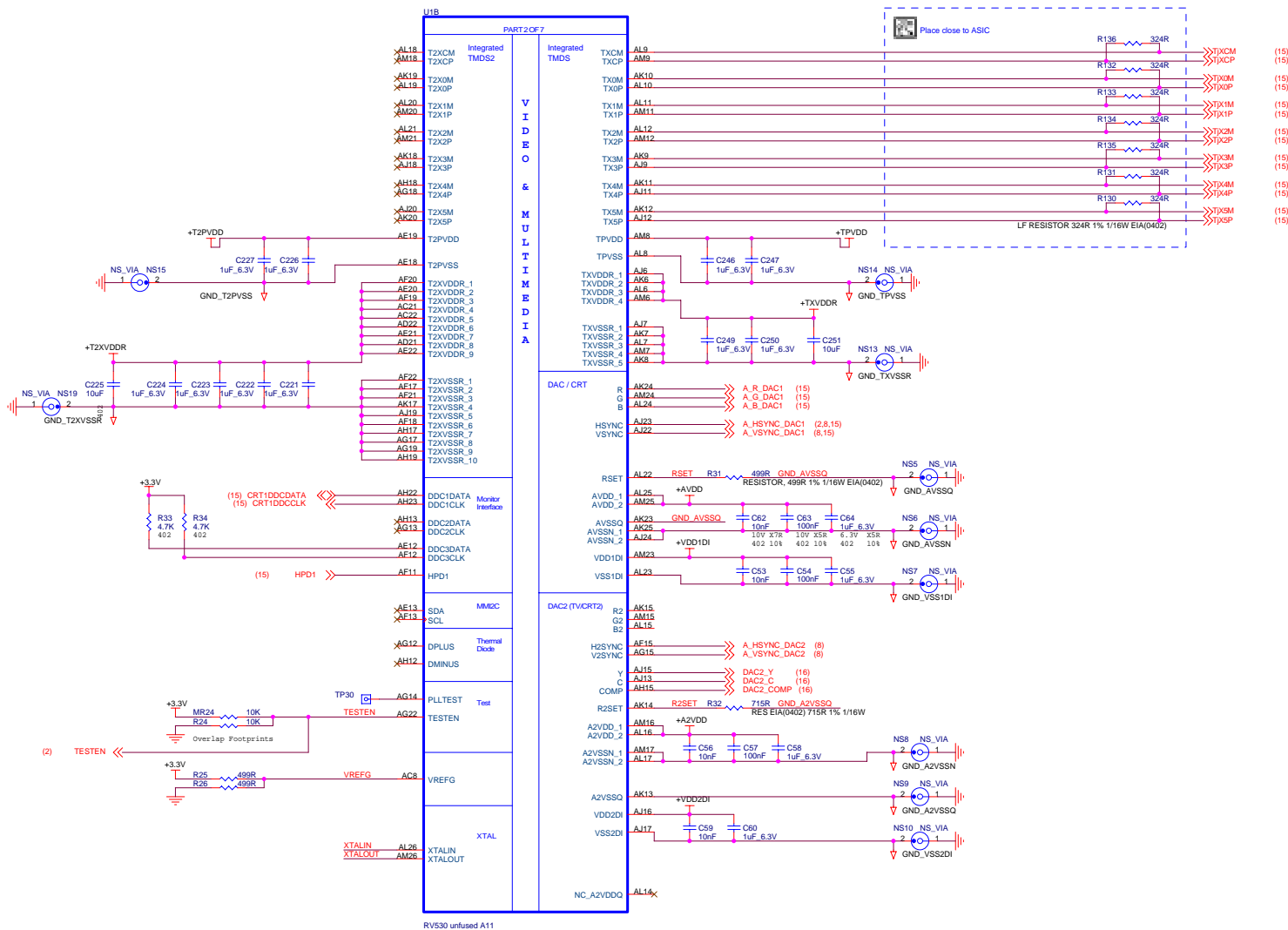
Node 3 When +12V gets close to regulation, one of the two conditions of releasing SMPS_EN is active

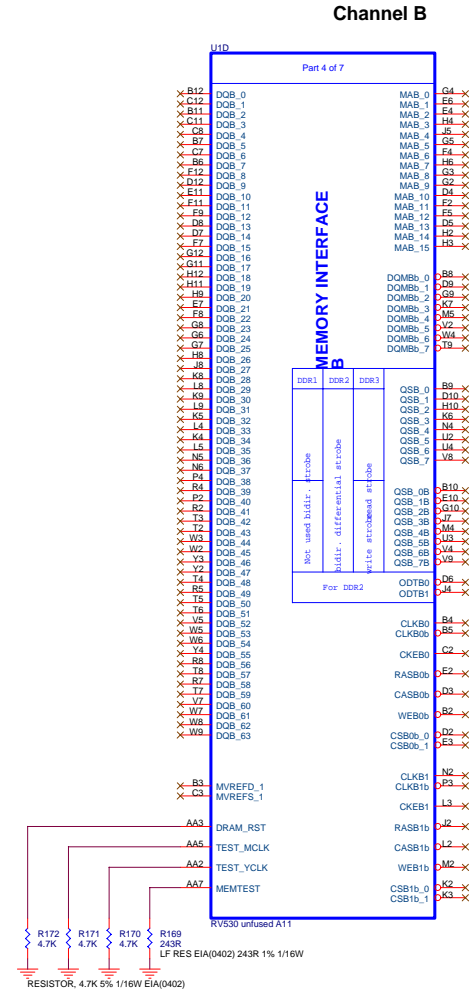
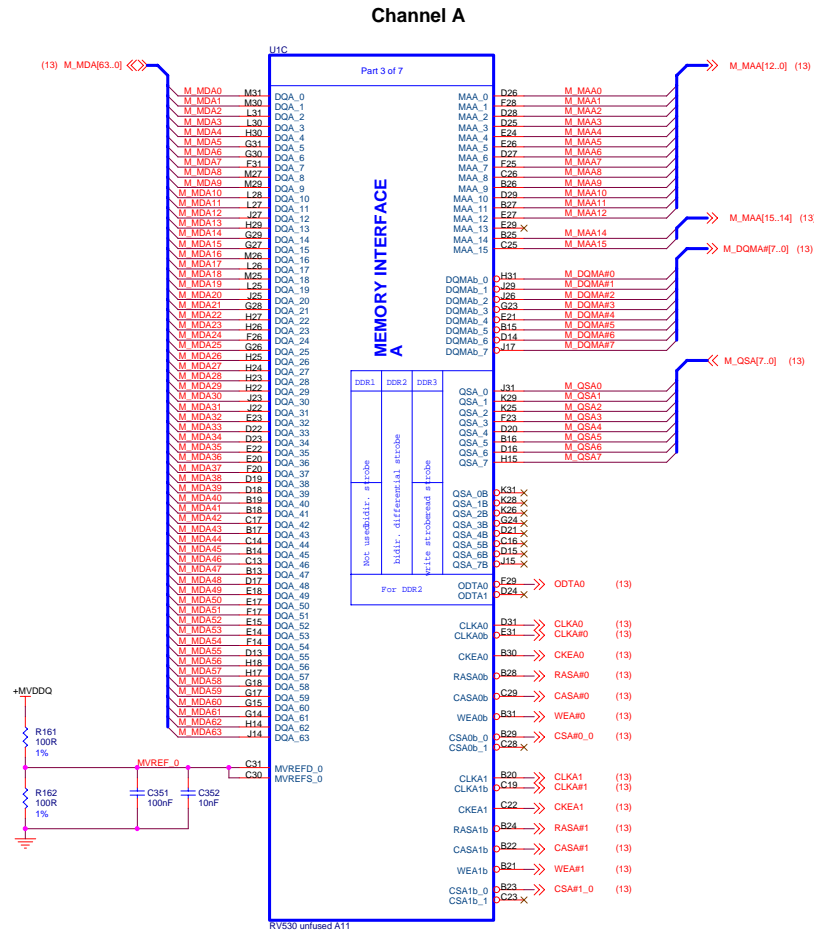
Target ~ 1.25V when +12 at min regulation (worse case)

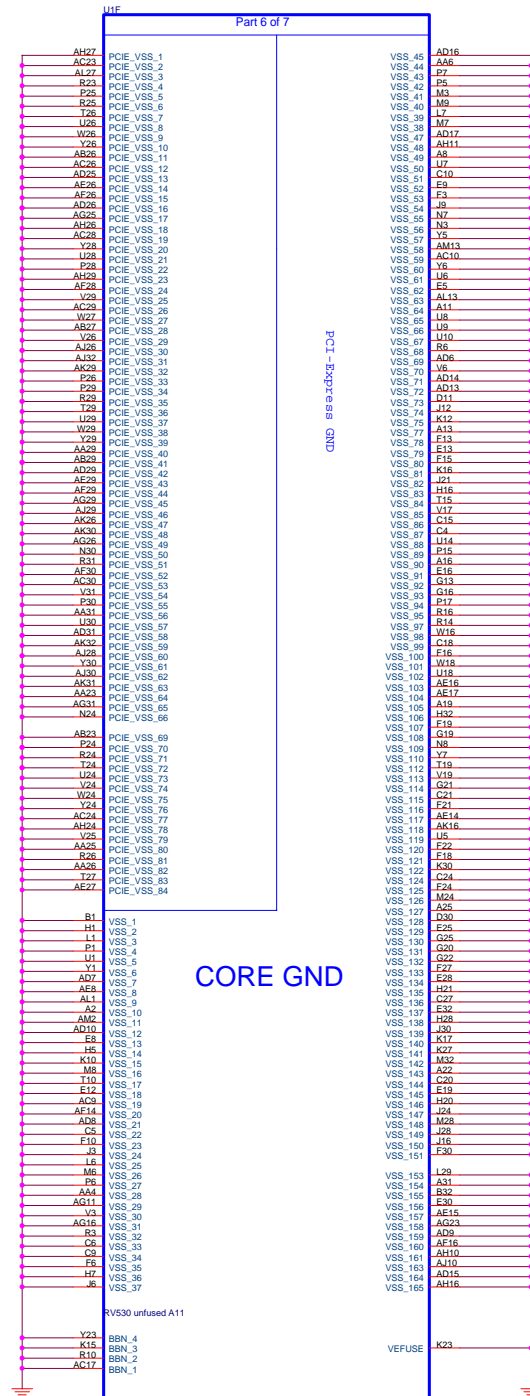
Typical trigger when +12V ramps above 10V (1.1V)

SYMBOL LEGEND	
DNI	DO NOT INSTALL
#	ACTIVE LOW
	DIGITAL GROUND
	ANALOG GROUND

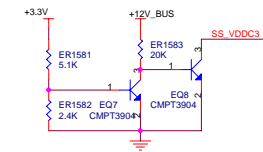
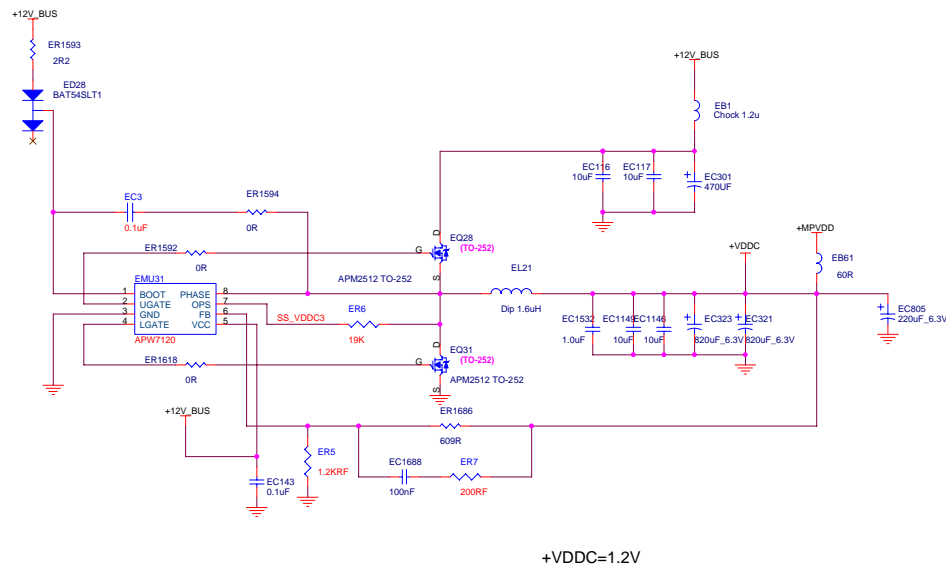








CORE REGULATOR +VDDC



Micro-Star International Co., LTD.

MS-V042 RV515 / DDRII

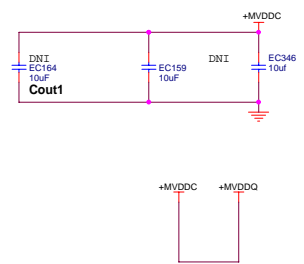
Size
C

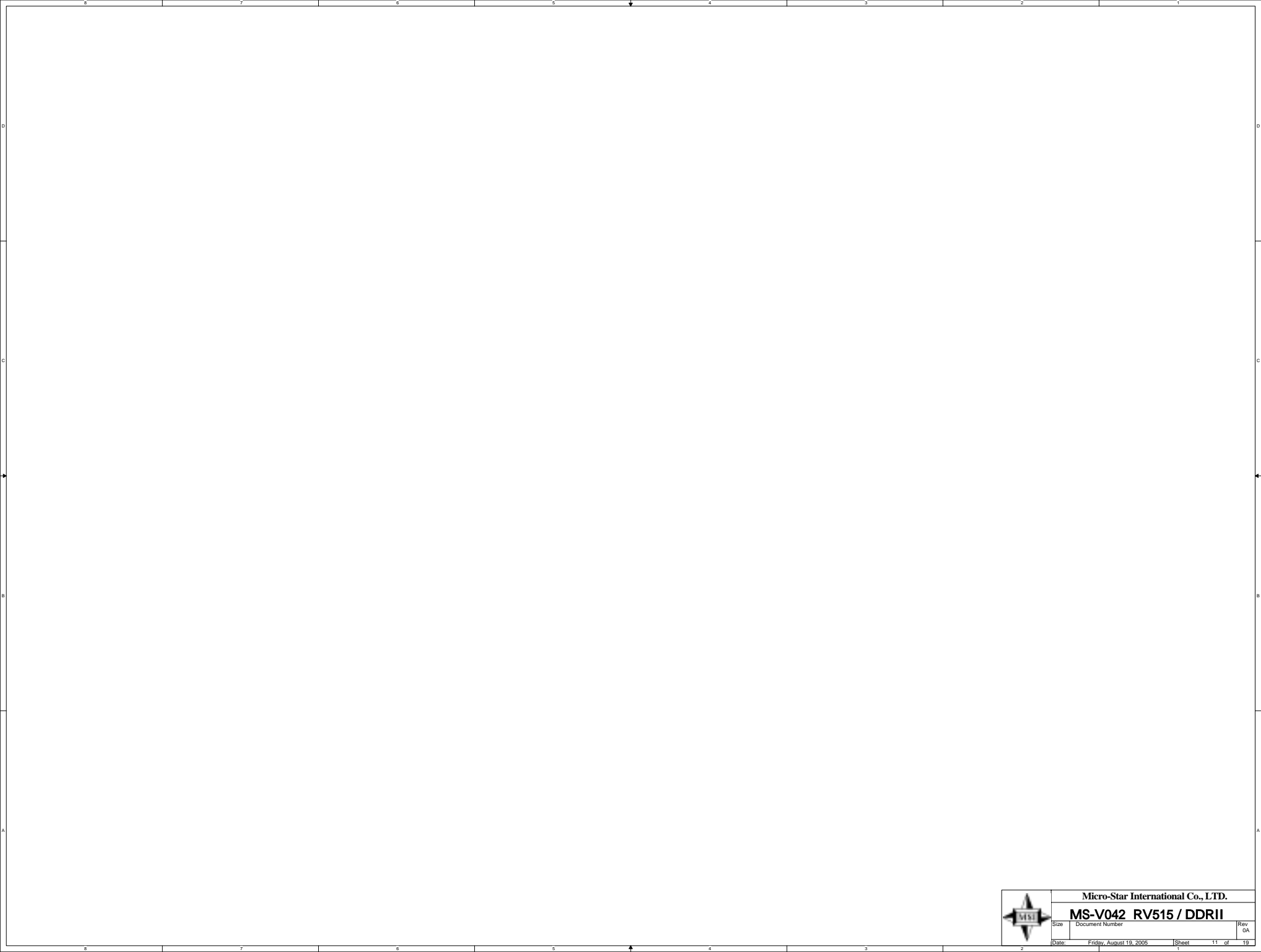
Document Number


Rev
0A

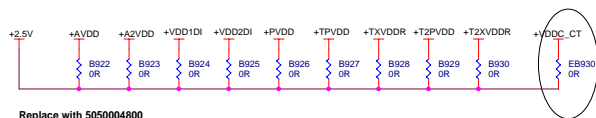
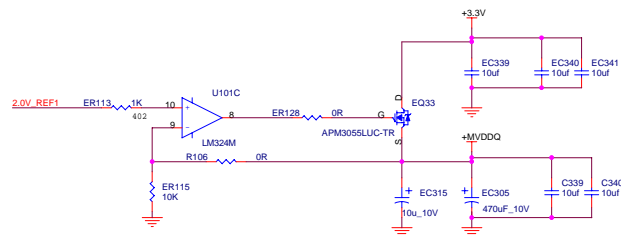
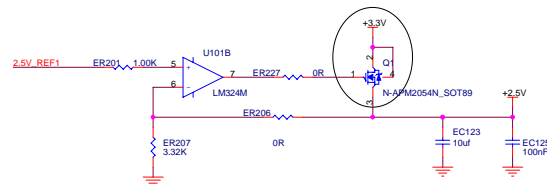
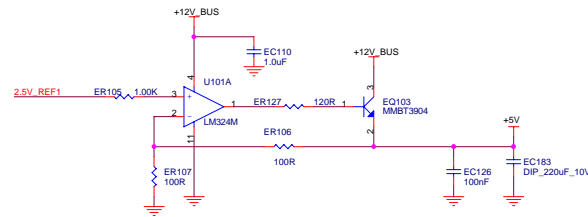
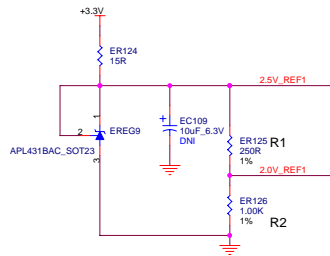
Date: Friday, August 19, 2005

Sheet 9 of 19





	Micro-Star International Co., LTD.		
	MS-V042 RV515 / DDRII		
	Size	Document Number	Rev 0A
Date:	Friday, August 19, 2005		Sheet 11 of 19

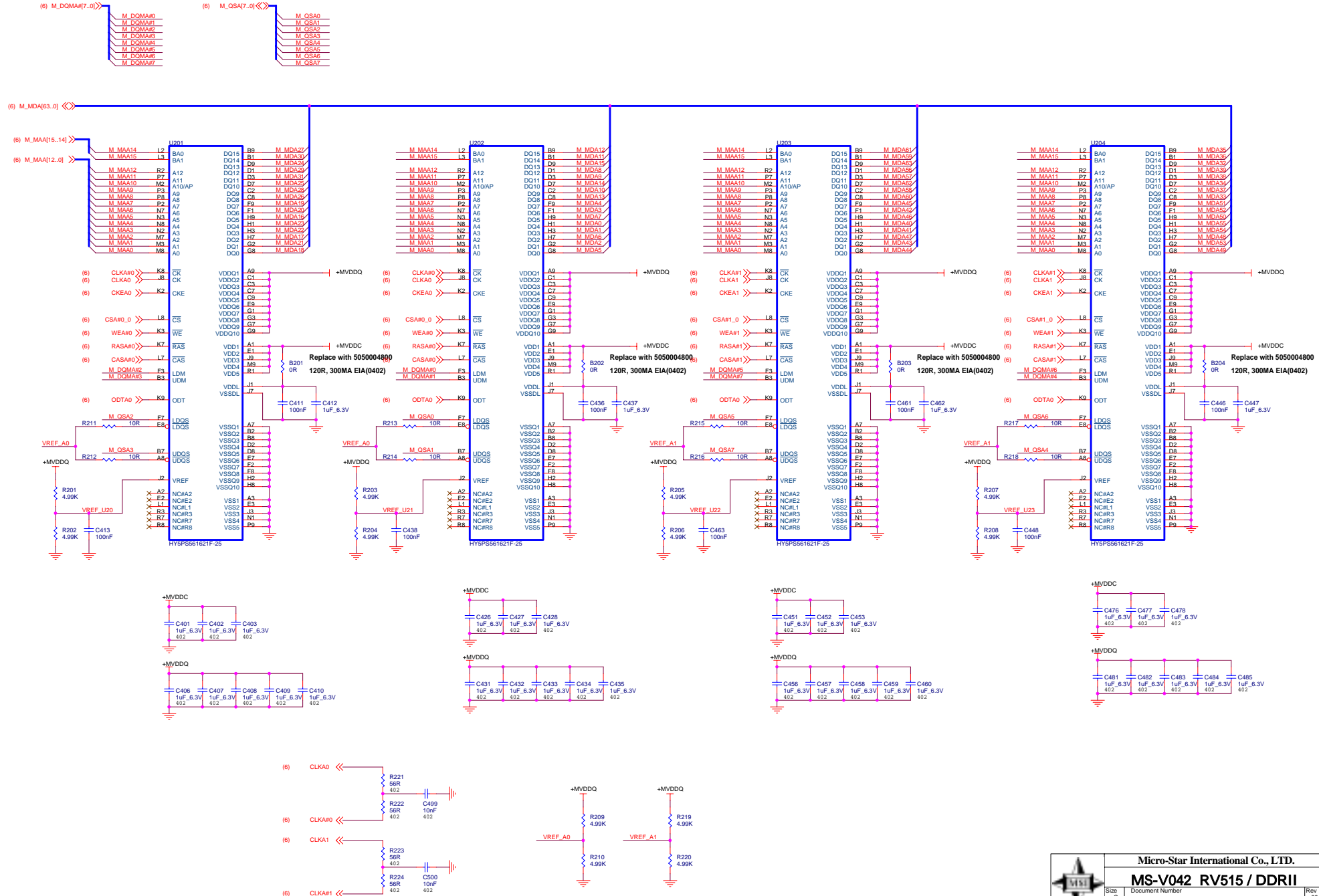


Replace with 5050004800
120R, 300MA EIA(0402)



Micro-Star International Co., LTD.		
MS-V042 RV515 / DDRII		
Size C	Document Number	Rev 00A
Date: Friday, August 18, 2005	Sheet 12 of 22	

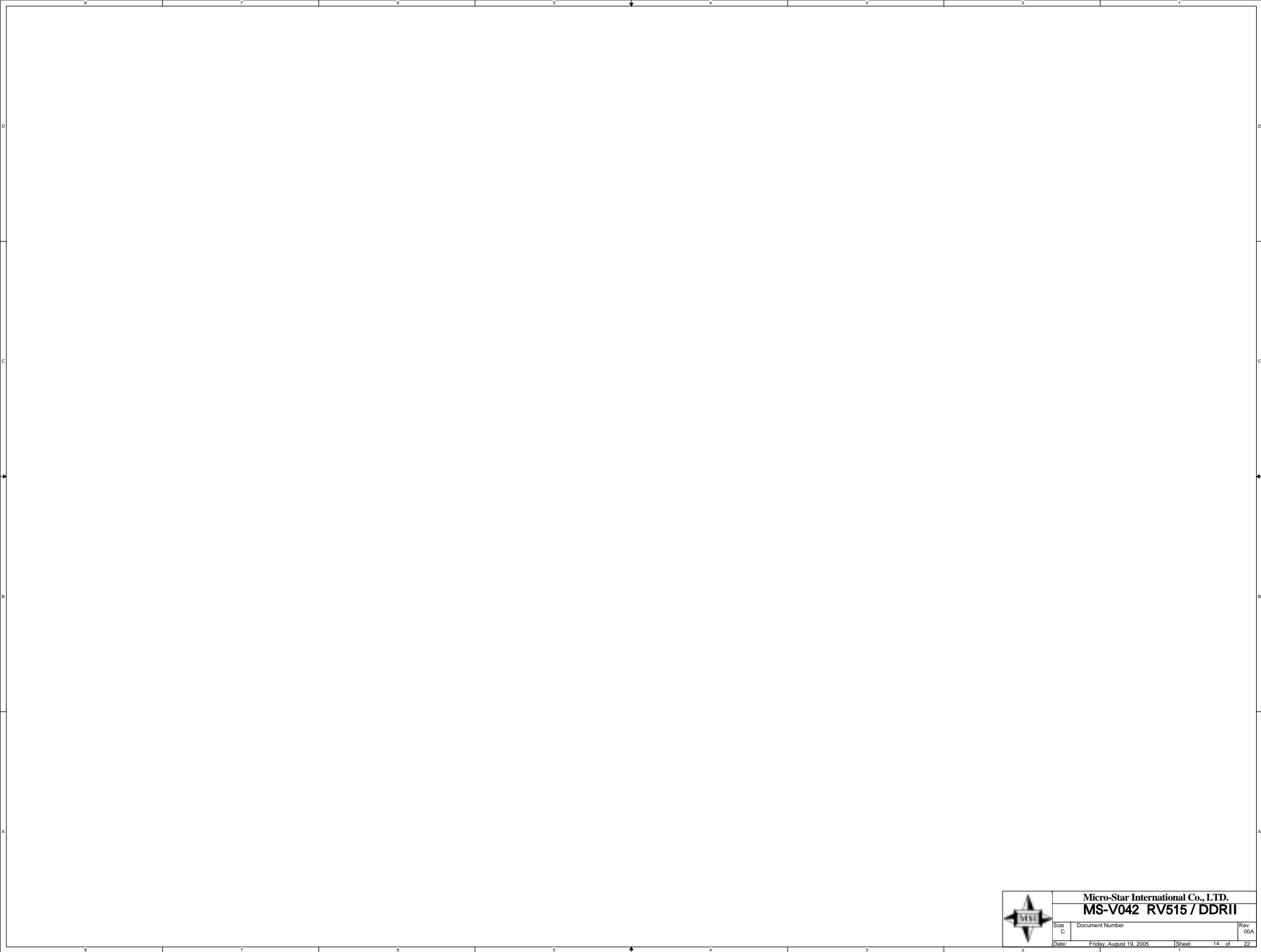
CHANNEL A: RANK 0 128MB DDR2




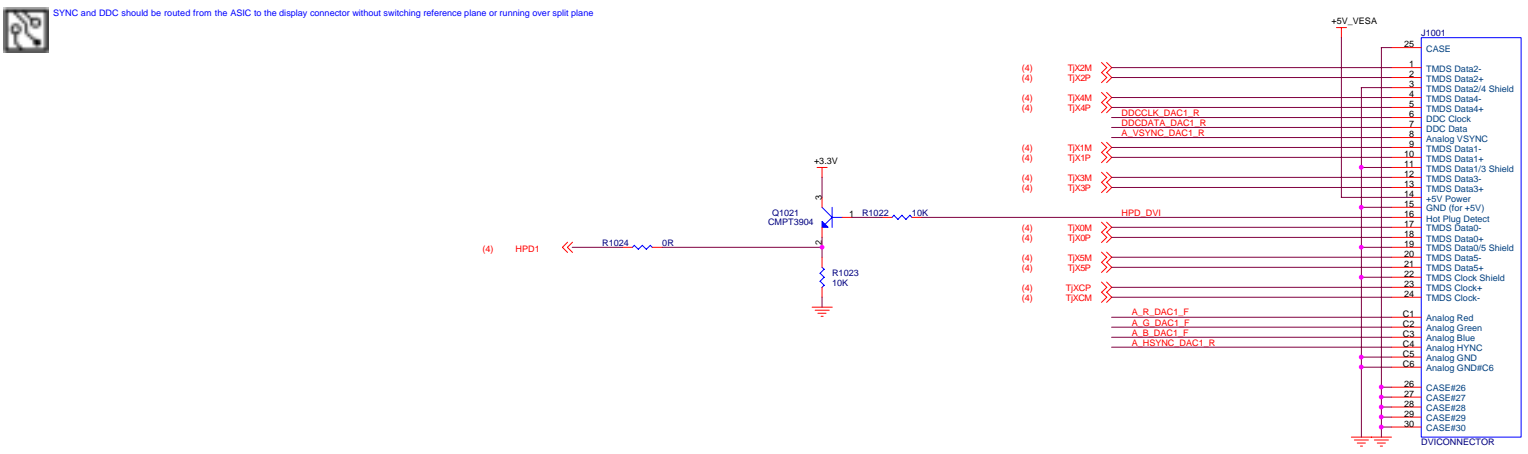
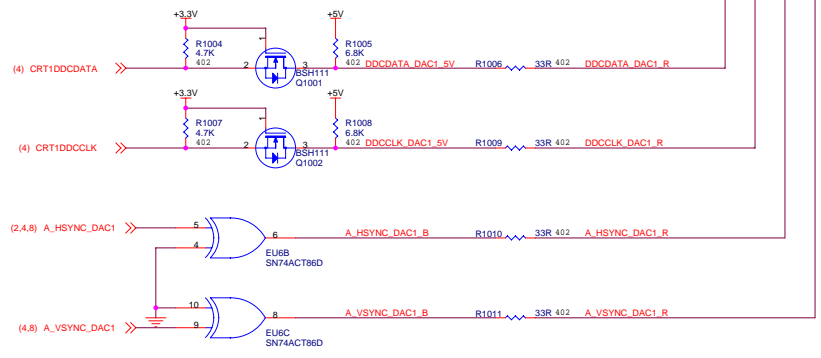
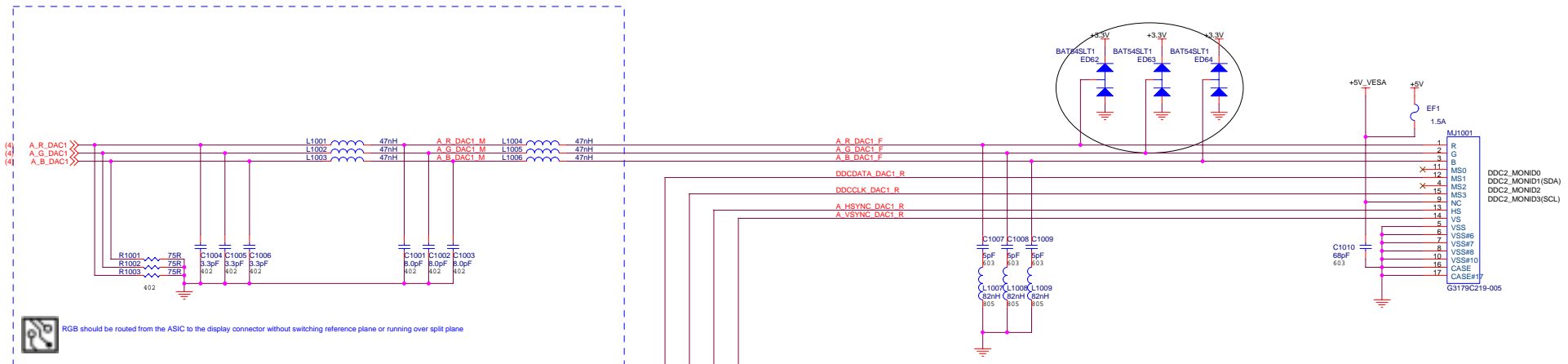
Micro-Star International Co., LTD.

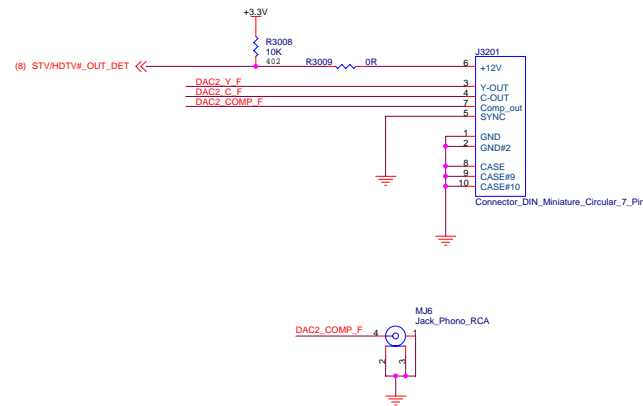
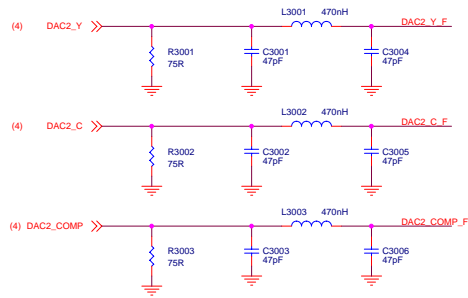
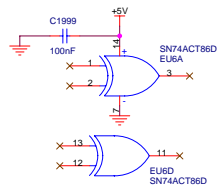
MS-V042 RV515 / DDRII

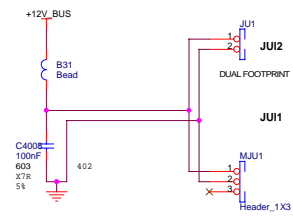
Size C Document Number Rev 00A
Date: Friday, August 18, 2005 Sheet 13 of 22



	Micro-Star International Co., LTD.		
	MS-V042 RV515 / DDRII		
	Size C	Document Number	Rev 00A
Date:	Friday, August 19, 2005		Sheet 14 of 22







DVI/VGA SCREWS

SCREW1
SCREW
JACKSCREW
ASSY
7020000800

SCREW2
SCREW
JACKSCREW
ASSY
7020000800

