MS-V027 VER 10

NV-6600, NV43 64bit,128MB, BGA 16MX16 DDRII*4Pcs,PCIE,DVI-I,D-SUB(Fly Cable),TV-OUT(HT-7)

P295- Xrelease: NV43, DDRII MEMORY * 4 pcs

Page1: P295 Overview Page2: PCIE Interface Page3: FB BANK A Page4: FB BANK C

Page5: MEMORY 1st bank 0..31 Page6: MEMORY 1st bank 32..63 Page7: GND,DACA,DACB,DACC

Page8: VGA DACA

Page9: VGA/TV Out/HDTV DACB/C

Page10: INTERNAL TMDS
Page11: STRAPS, MIOA/MIOB
Page12: XTAL, GPIO, ROM
Page13:Power Supply (RT9218)
Page14:Others Power Supply (Linear)

Page15:G3 VIP/MIOB

REVISION HISTORY:

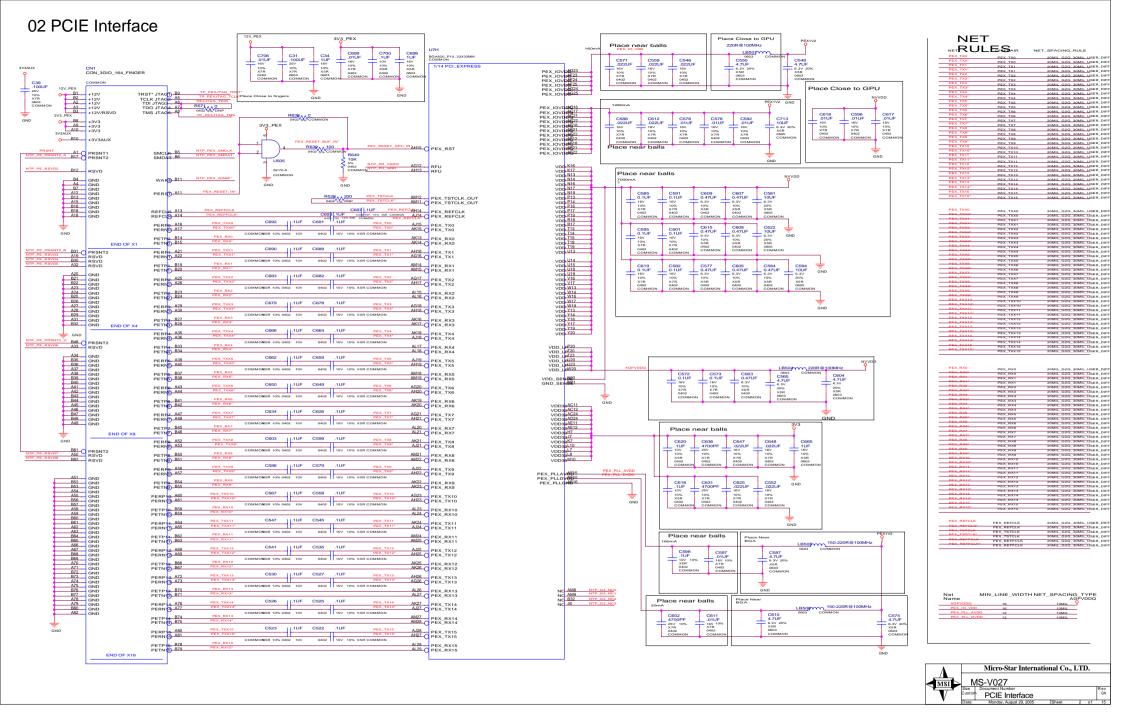
- 8/24/2005:

1.Removed Page:14 Memory FBVTT power circuit

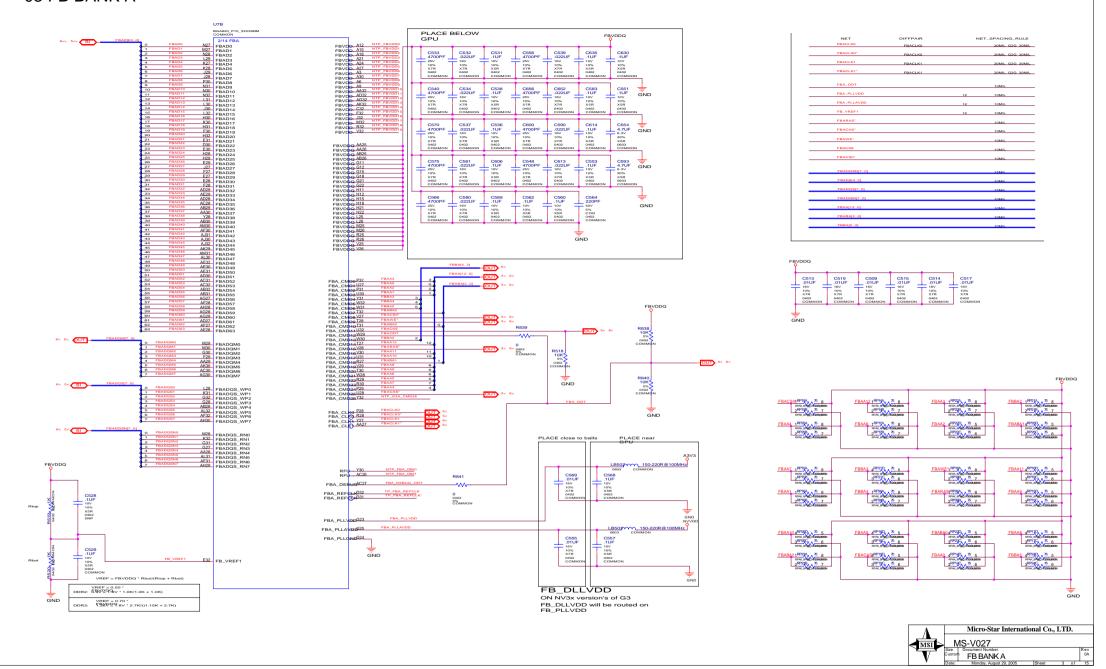
2.Added Page:13 FBVDDQ cost down Power solution OpAmp+Mos,

	аки	VARIANT	NVPN	ASSEMBLY	
- [В	BASE	602-10229-BASE-SCH	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL	
	1	nv43dvivgatv128m16x	602-10229-0002-101	P229-B02 NV43 GEN DVI-I/VGA/HDTV 128MB 16Mx16 TSOP	
	2	nv43dvivgatv128m8x	602-10229-0003-101	P229-B02 NV43 GEN DVI-I/VGA/HDTV 128MB 8Mx16 TSOP	
	3	43gldvivgatv128m8x	602-50229-0001-101	P229-B02 NV43-GL GEN DVI-I/VGA/HDTV 128MB 8Mx16 TSOP	
	4	nv43dvivgatv256m16x	602-10229-0004-101	P229-B02 NV43 GEN DVI-I/VGA/HDTV 256MB 16Mx16 TSOP	
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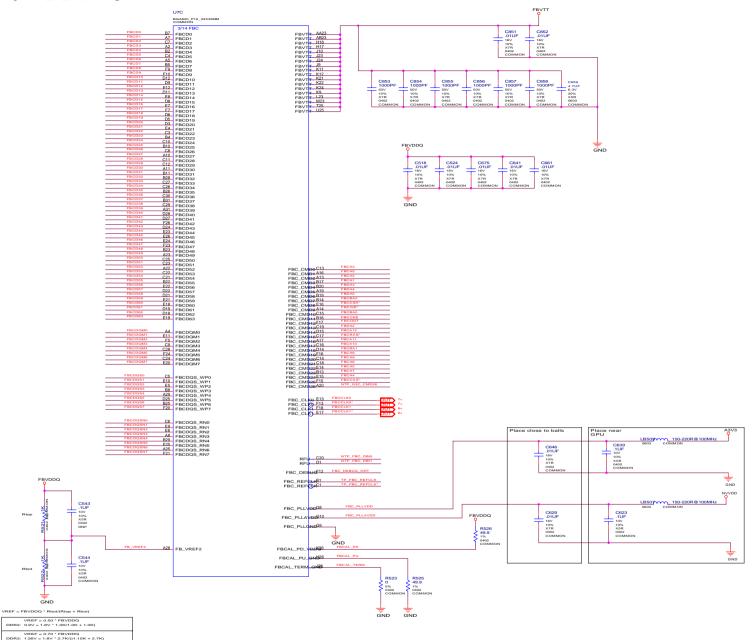




03 FB BANK A



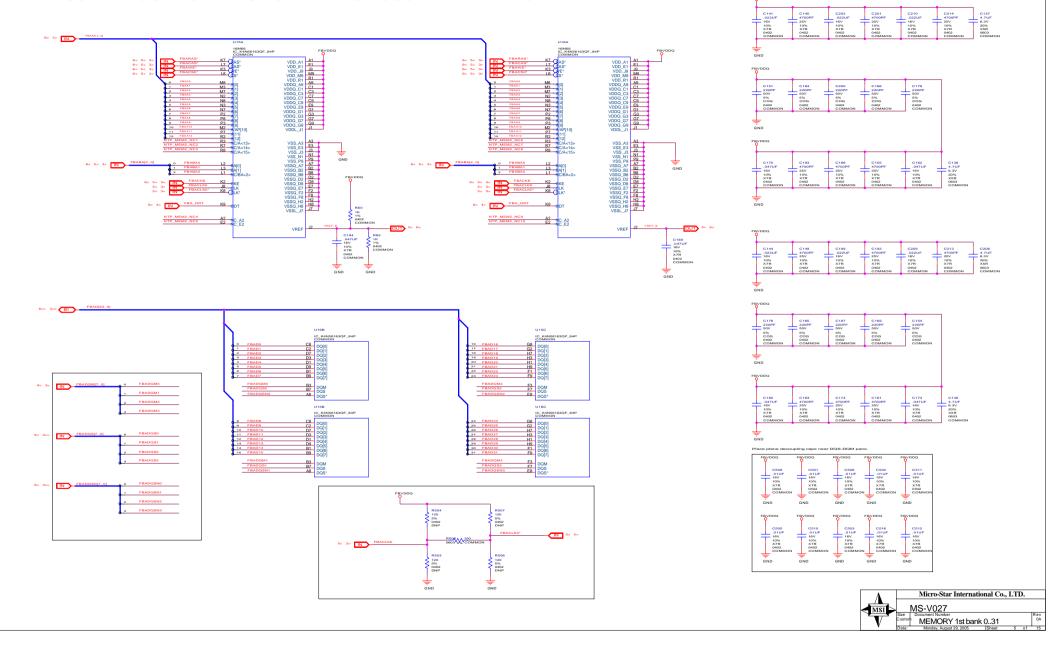
04 FB BANK C



DIFFPAIR		NET_SPACING_RULE
FRCCLKO		20MIL G2G 30MIL
FBCCLKO		20MIL G2G 30MIL
FBCCLK1		20MIL G2G 30MIL
FBCCLK1		20MIL G2G 30MIL
	12	19MIL
	12	10MIL
	12	10MIL
		15MIL
		10MIL
		15MIL
		10MIL
		10МІ
		10МІ.
		10МІ
		10MIL
		10MIL
		10MIL
	FBCCLK0 FBCCLK1	FRICLINO FRICLINI FRICLINI FRICLINI 12

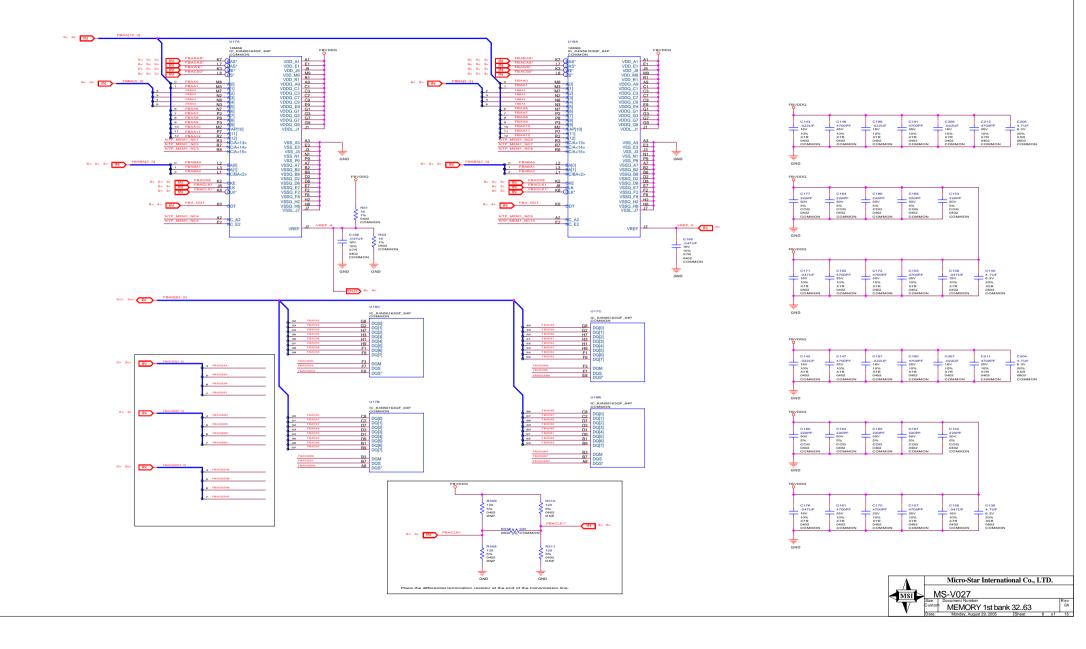


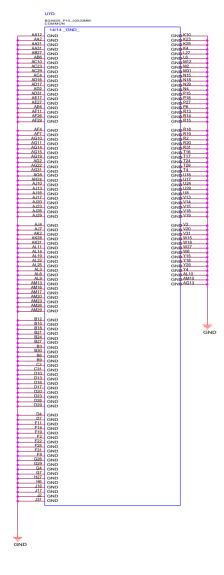
PLACE ALL DISCRETE COMPONENTS AS NEAR AS POSSIBLE TO MEMORY

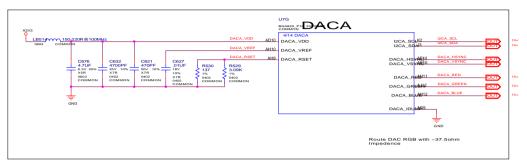


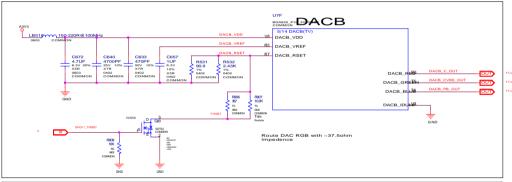
PLACE ALL DISCRETE COMPONENTS AS NEAR AS POSSIBLE TO MEMORY

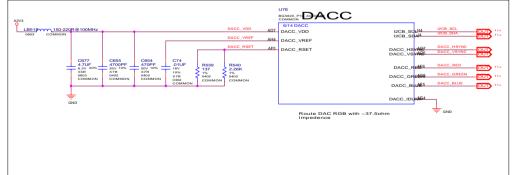


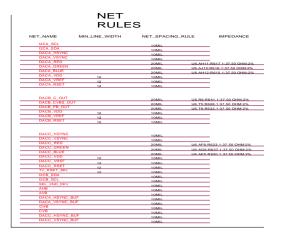




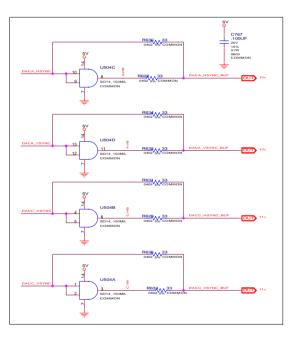




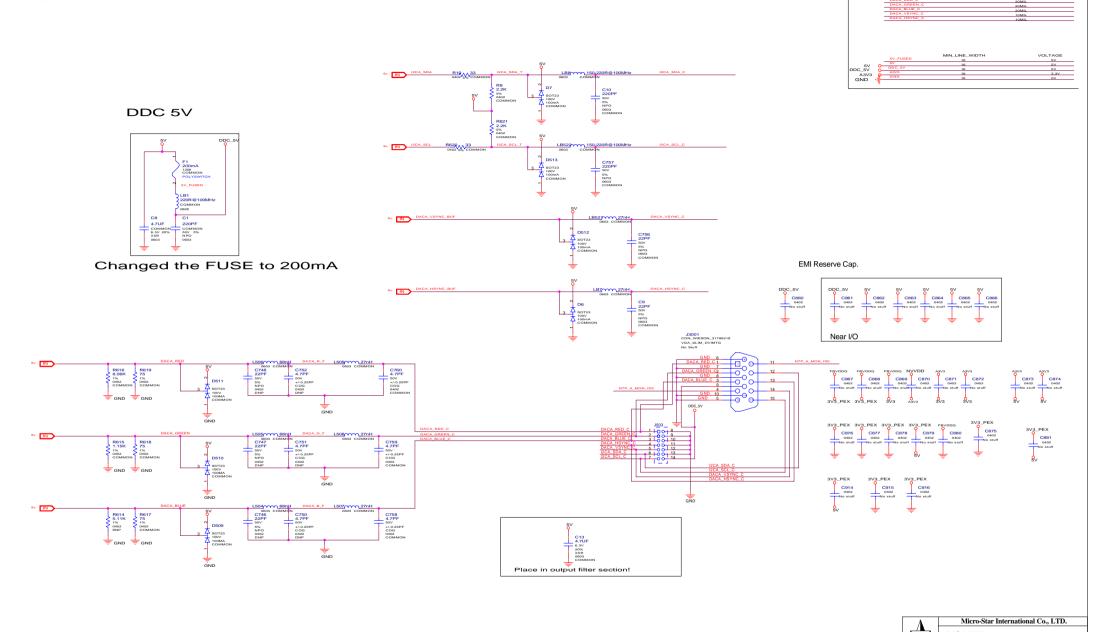




DACA & DACC Sync Buffers

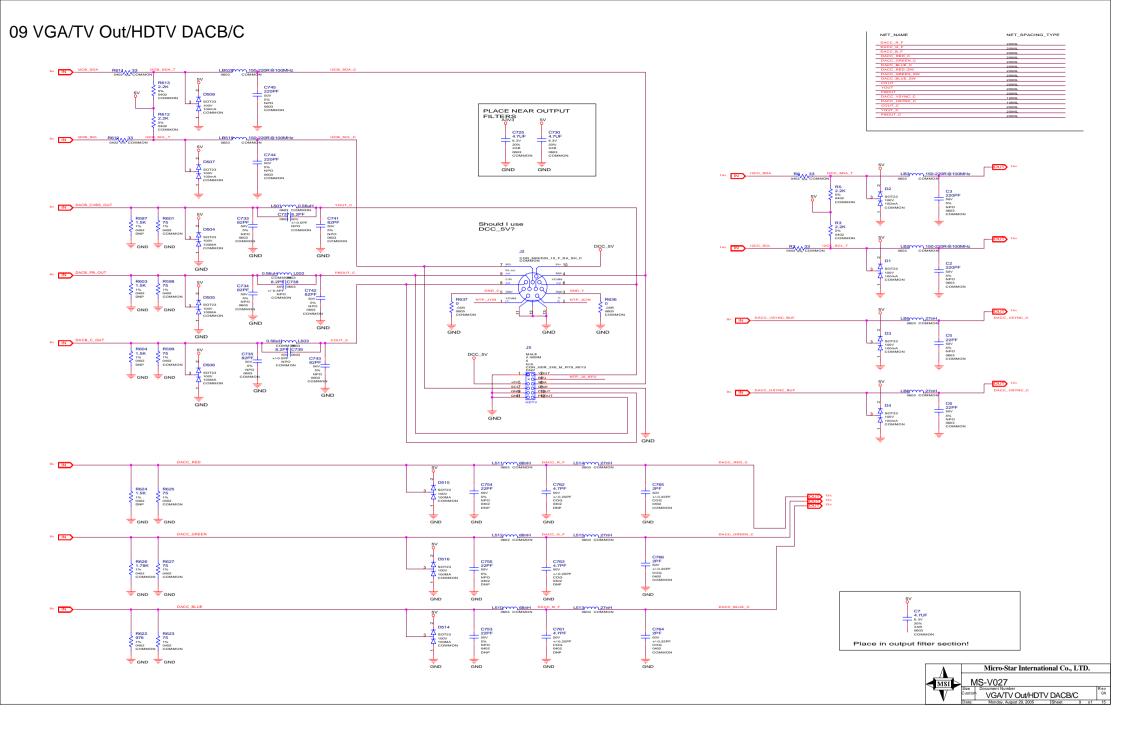


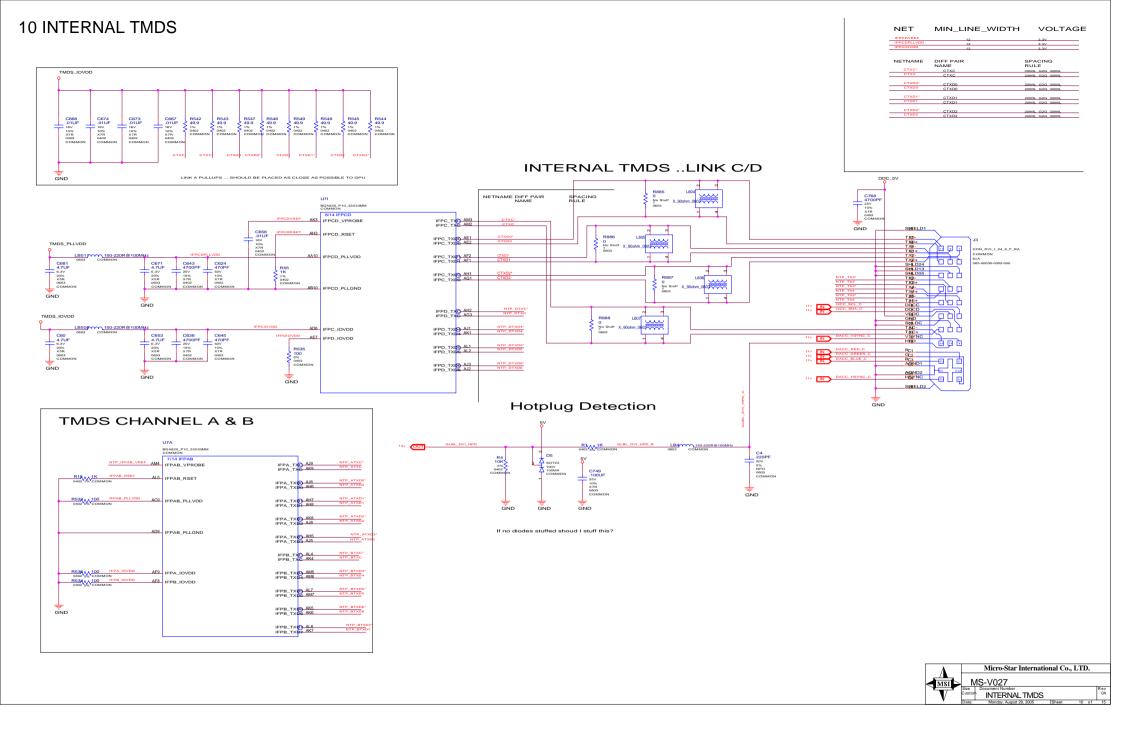




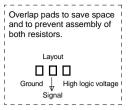
NET SPACING RULE

VGA DACA

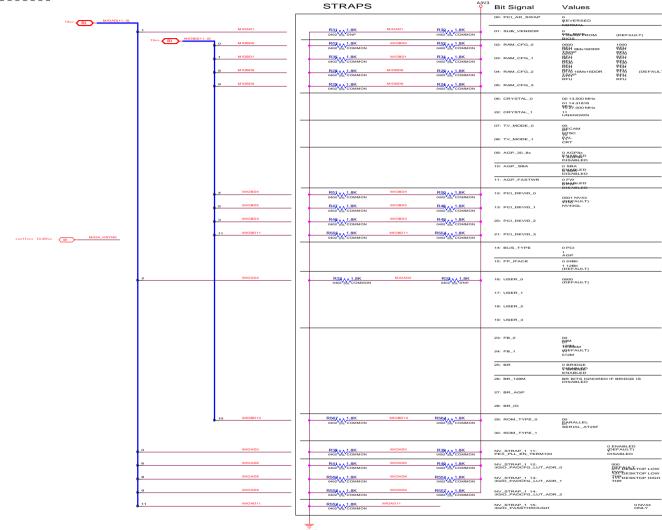


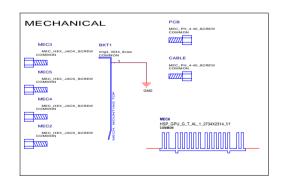


11 STRAPS, MECHANICAL



STRAPS



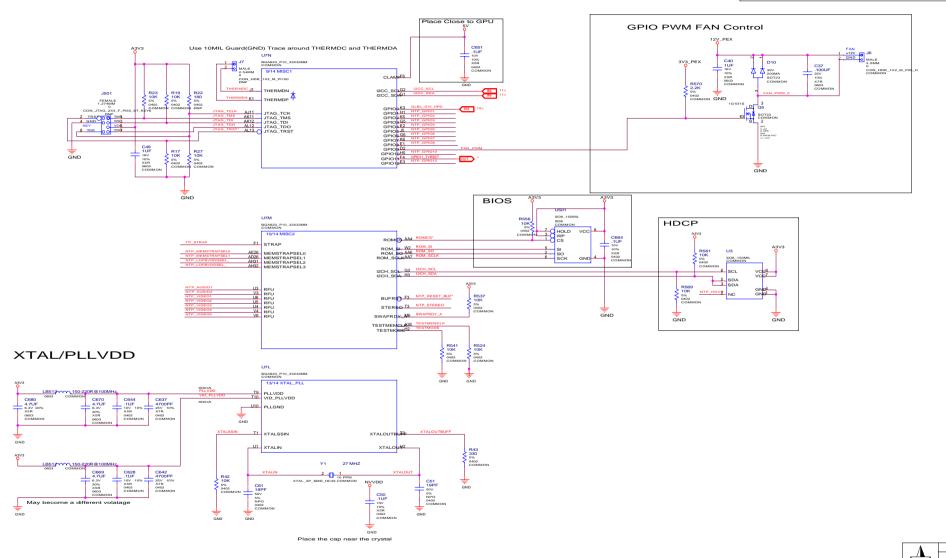


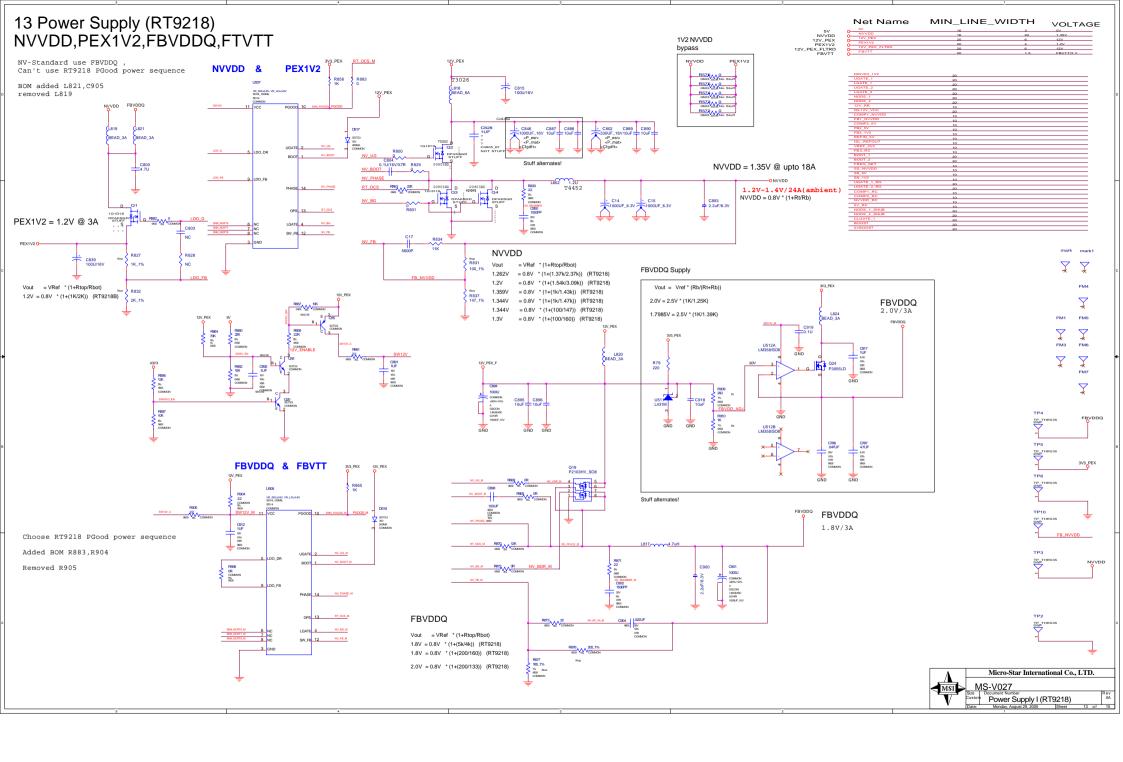




Micro-Star International Co., LTD.

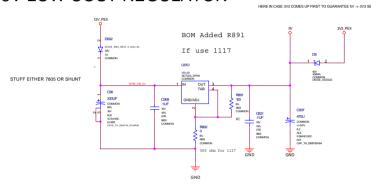
XTAL, GPIO, ROM



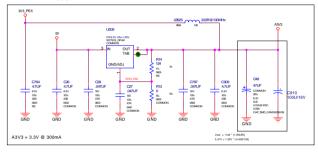


14 Others Power Supply (Linears) 5V,FBVDDQ,A3V3,3V3,TMDS_PLLVDD,TMDS_IOVDD,FBVTT

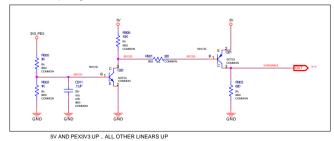
5V LOW COST REGULATOR



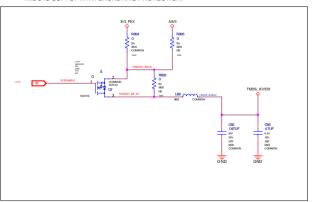




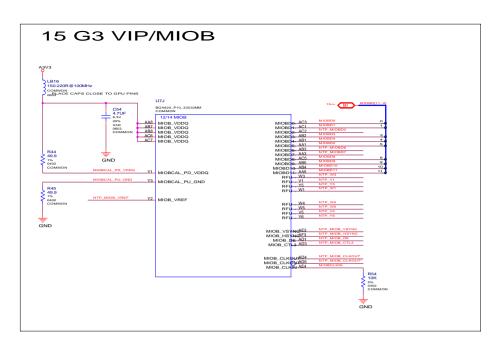
Power Sequencing

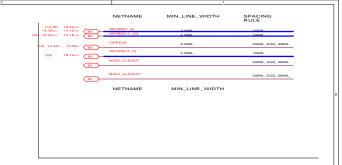


TMDS IO SUPPLY WITH BACKDRIVE PROTECTION









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G3 VIP/MIOB

