V078-10 BASE ON V079-0A modify

P501-A01 DESIGN -- G73, 256 MB DDR2, VGA, DVI-I, HDTV

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Page 19: PowerSupplyl: NVVDD, A2V5

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REV HISTORY

Base on P501_A01 modify

7/25-0/

1.PAGE:12 Removed TMDS C/D connecter

2.PAGE:10 Add DACC Fly cable DSub

9/26-04

1.PAGE:10,16 revised DACA hotplug circuit

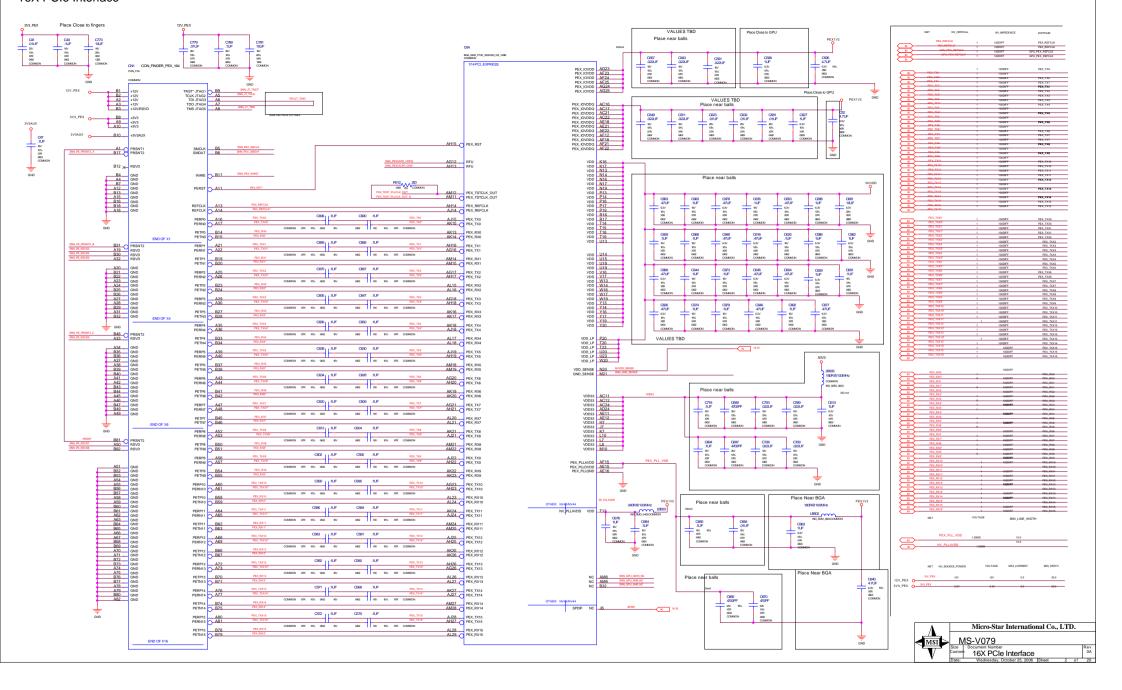
10/19-10

1.chage Q3,Q4,Q6 footprint for power reserve

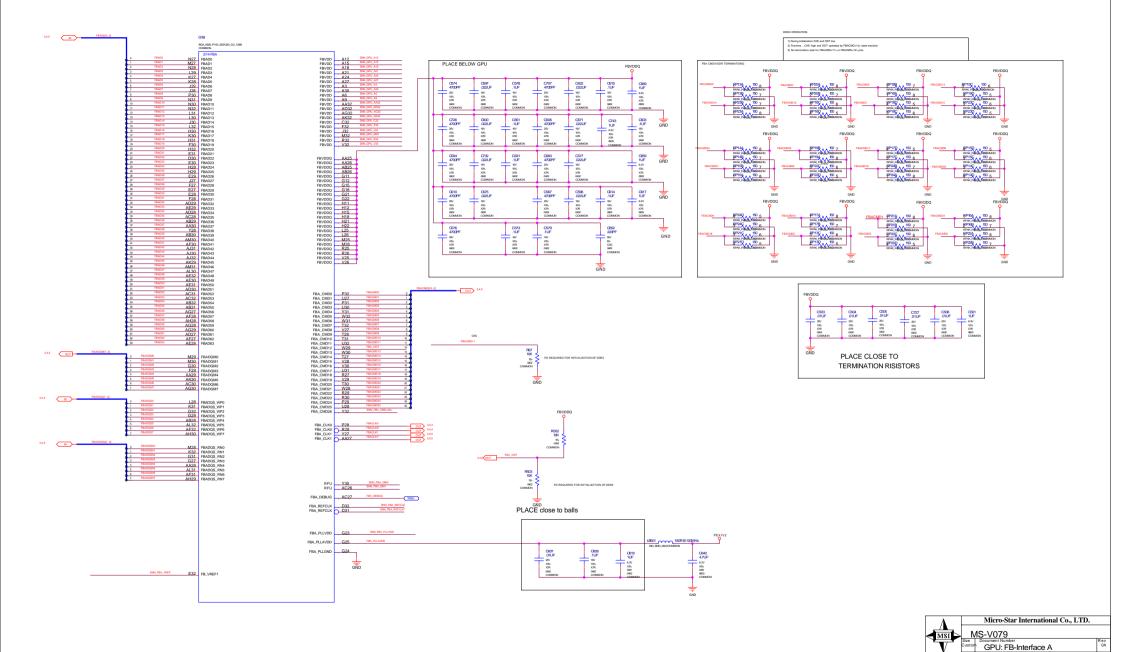
SKU	VARIANT	NVPN	ASSEMBLY
В	0000	600-10501-0000-100	G73 400/350MHz 256MB 128bit DDR2 16MX16 DVI-I+VGA+HDTVOUT
1	0001	600-10501-0001-100	G73-V 375/350MHZ 256MB 128bit DDR2 16MX16 DVI-I+VGA+HDTVOUT
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3	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
4	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
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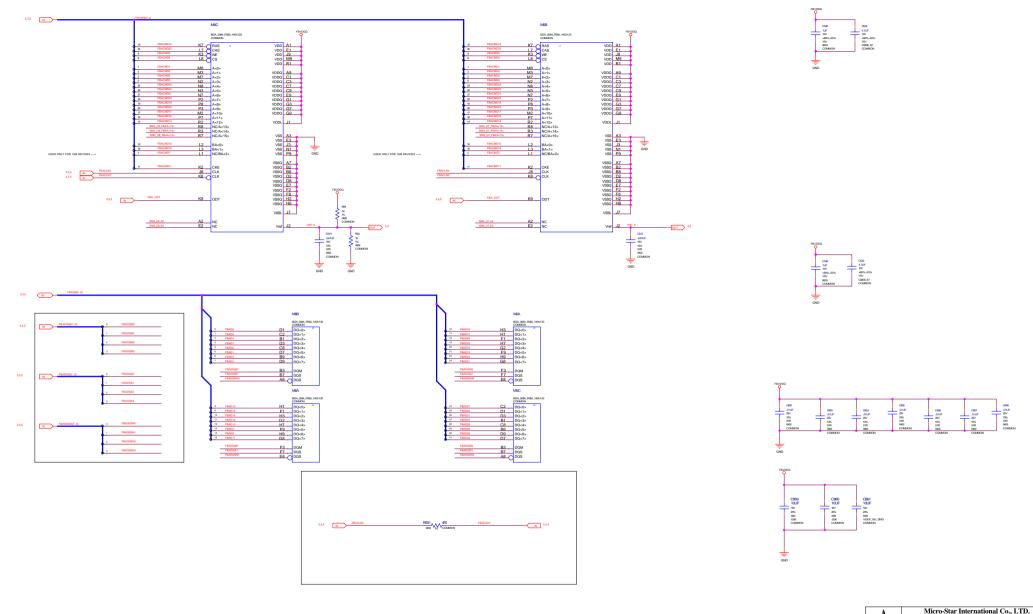
16X PCIe Interface



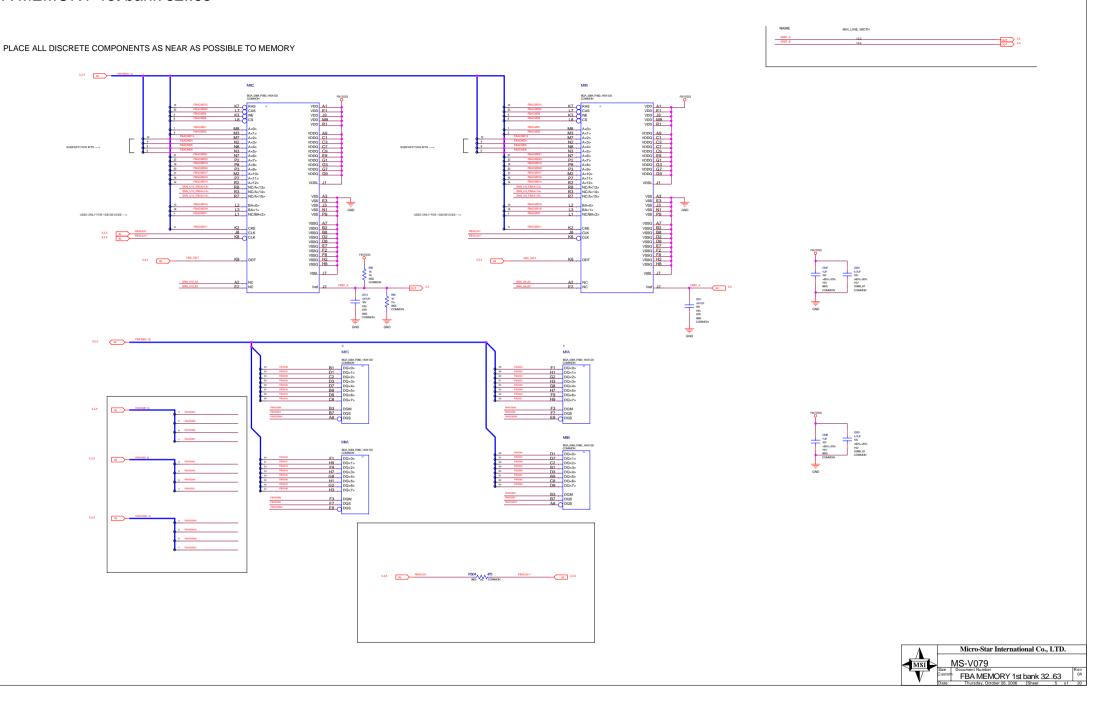
GPU: FB-Interface A



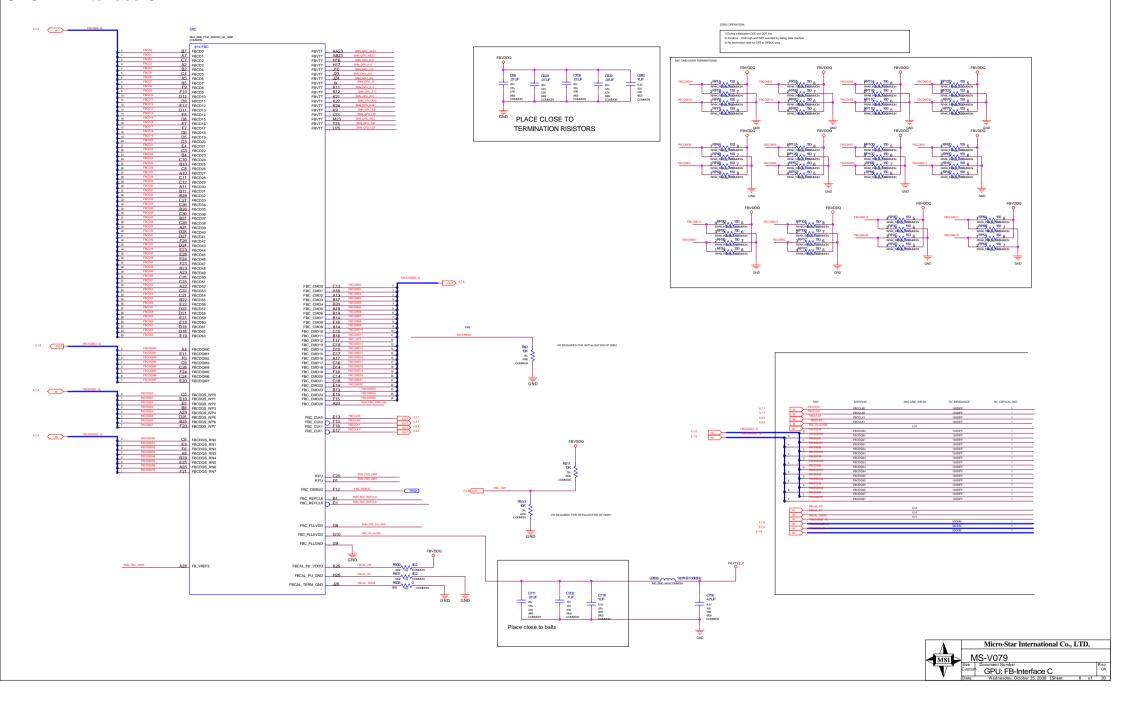
PLACE ALL DISCRETE COMPONENTS AS NEAR AS POSSIBLE TO MEMORY

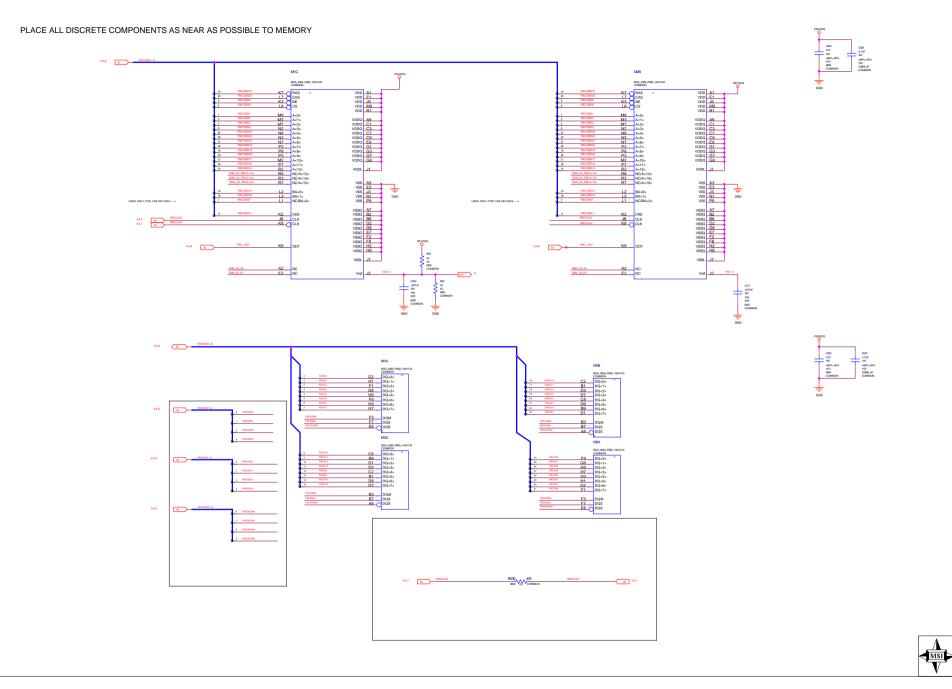


FBA MEMORY 1st bank 0..31



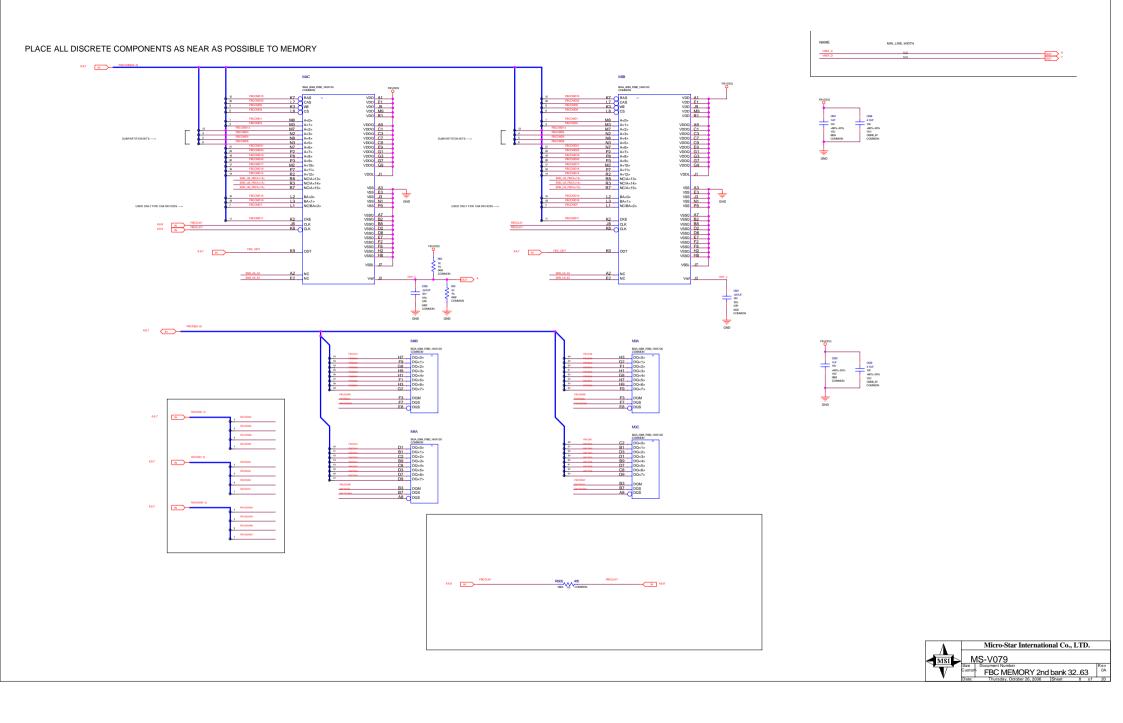
GPU: FB-Interface C



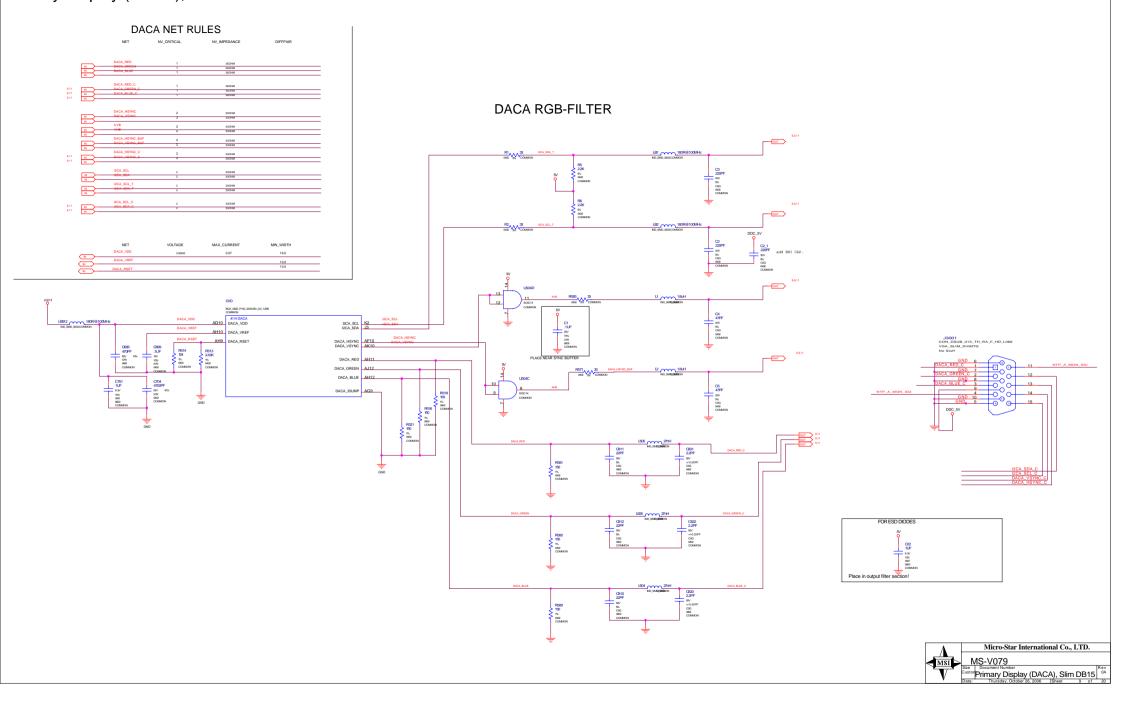


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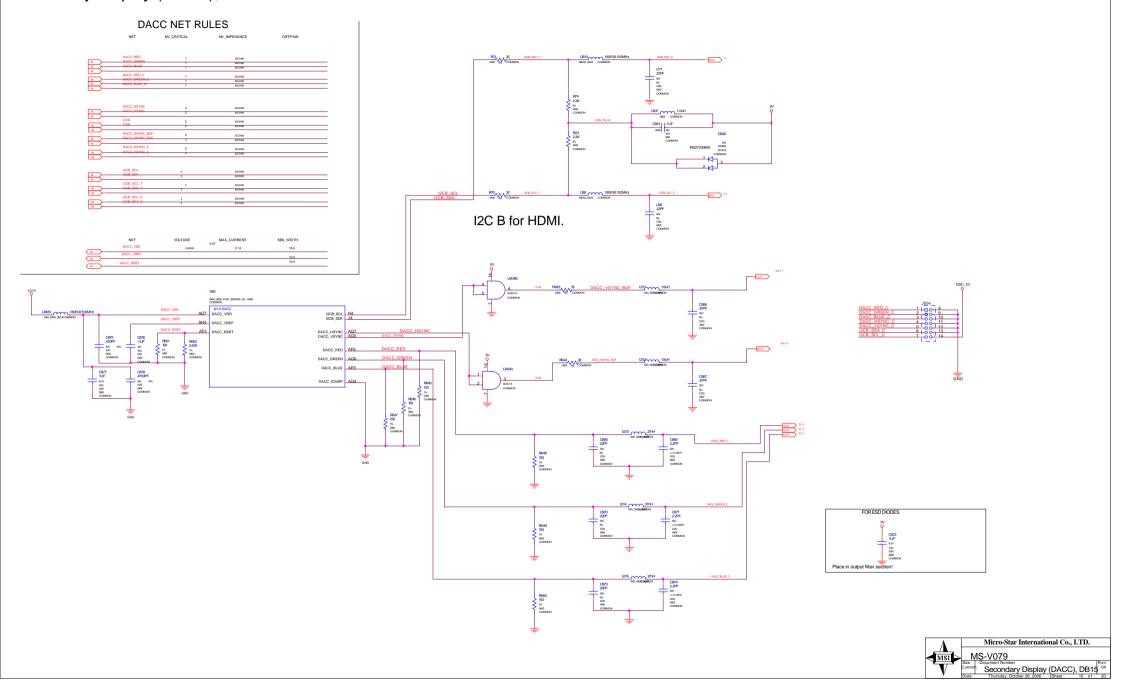
FBC MEMORY 2nd bank 0..31

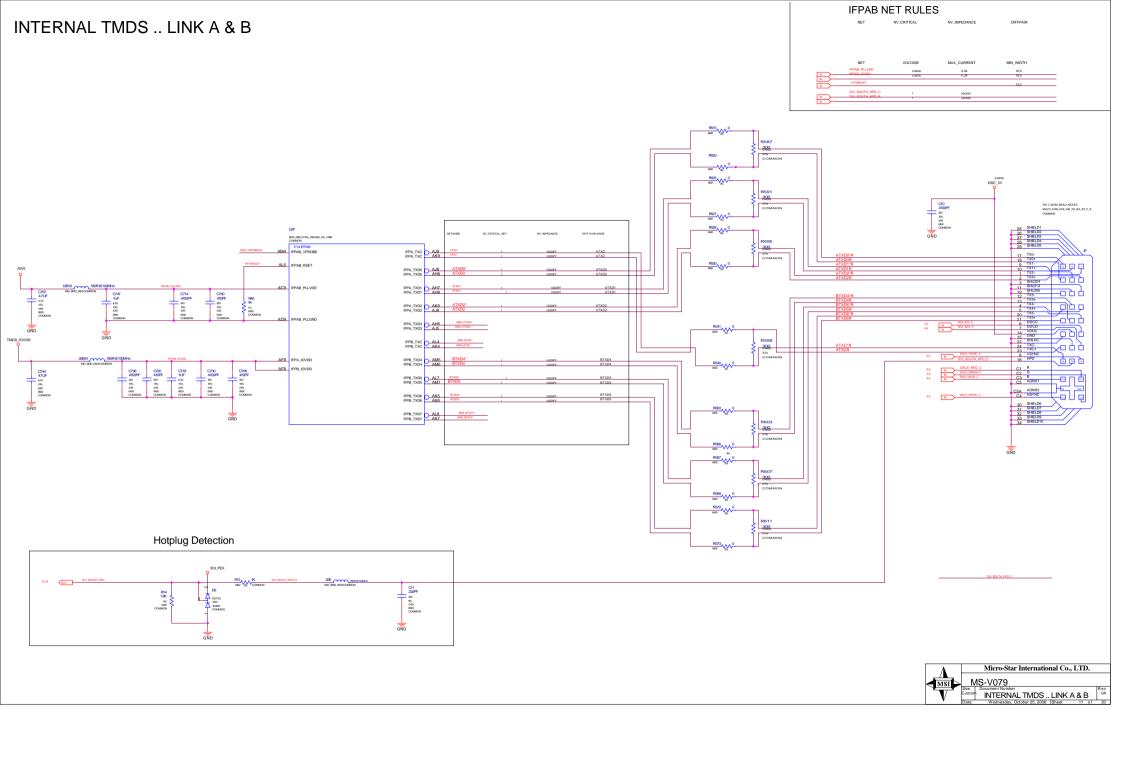


Primary Display (DACA), Slim DB15

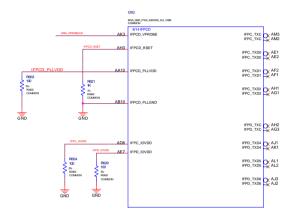


Secondary Display (DACC), DB15





INTERNAL TMDS .. LINK C

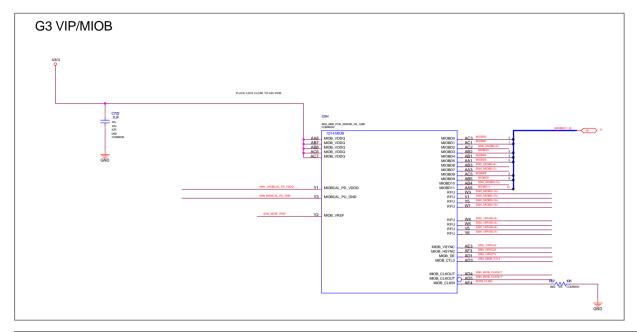


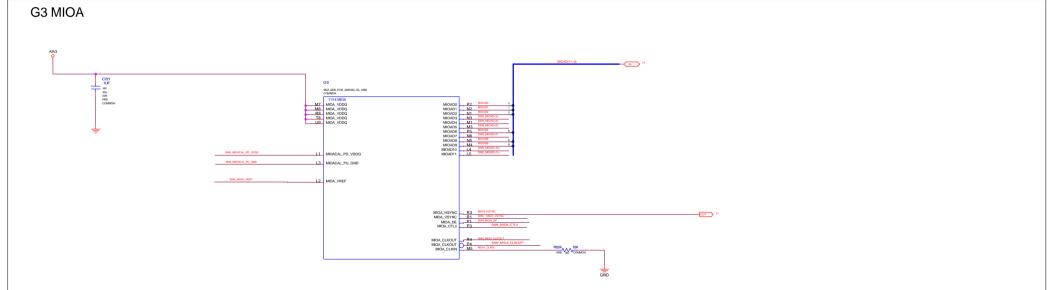
CEC pullup and clamping must be disconeccied from HDMI connector when Power down

| STATE | STAT



G3 VIP/MIOB/MIOA





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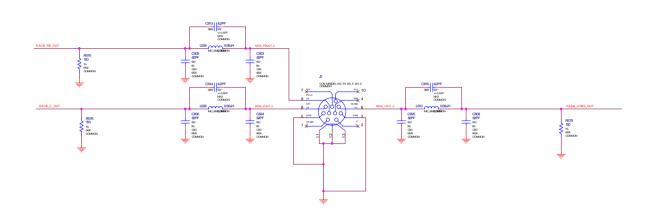
G3 VIP/MIOB/MIOA

DACB .. MiniDIN VIDEO OUT CONNECTOR

DACB .. MiniDIN VIDEO OUT CONNECTOR

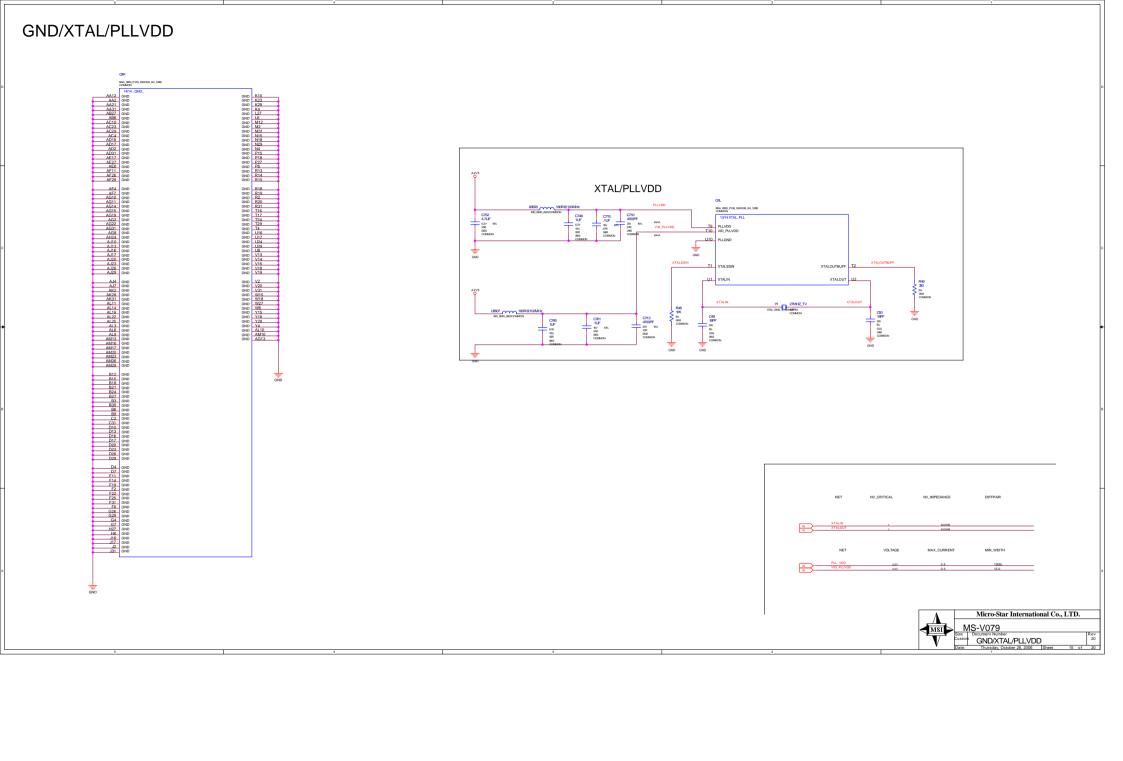
DACB NET RULES

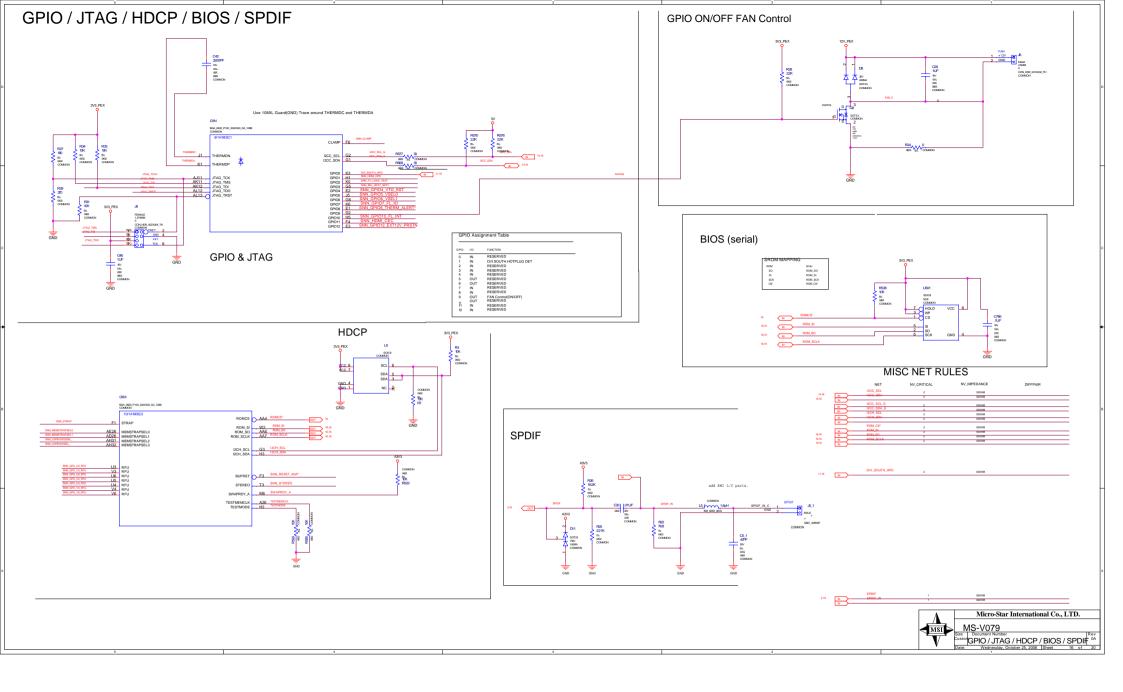
	NET	NV_CRITICAL	NV_IMPEDANCE	DIFFPAIR
N	DACB_C_OUT	1	SIOHM	
=	MDIN_COUT_C		WOHM	
_	DACB_CVBS_OUT	1	SKOHM	
\Rightarrow	MDIN_YOUT_C		SCOHN	
=	DACB_PB_OUT	1	SICHM	
=	MDIN_PBOUT_C	-	SCHW	
_				
	MON SCL C			
N >	MON SOL C	2	SOOHM	
\leftarrow	most_um_c	2	SCOHM	
_				
	NET	VOLTAGE	MAX_CURRENT	MIN WIDTH
_	DACB_VDD	3,30000	0.07	16.0
N	DACB_VREF DACB_RSET			16.0
	DACK_RSET			16.0
N -				

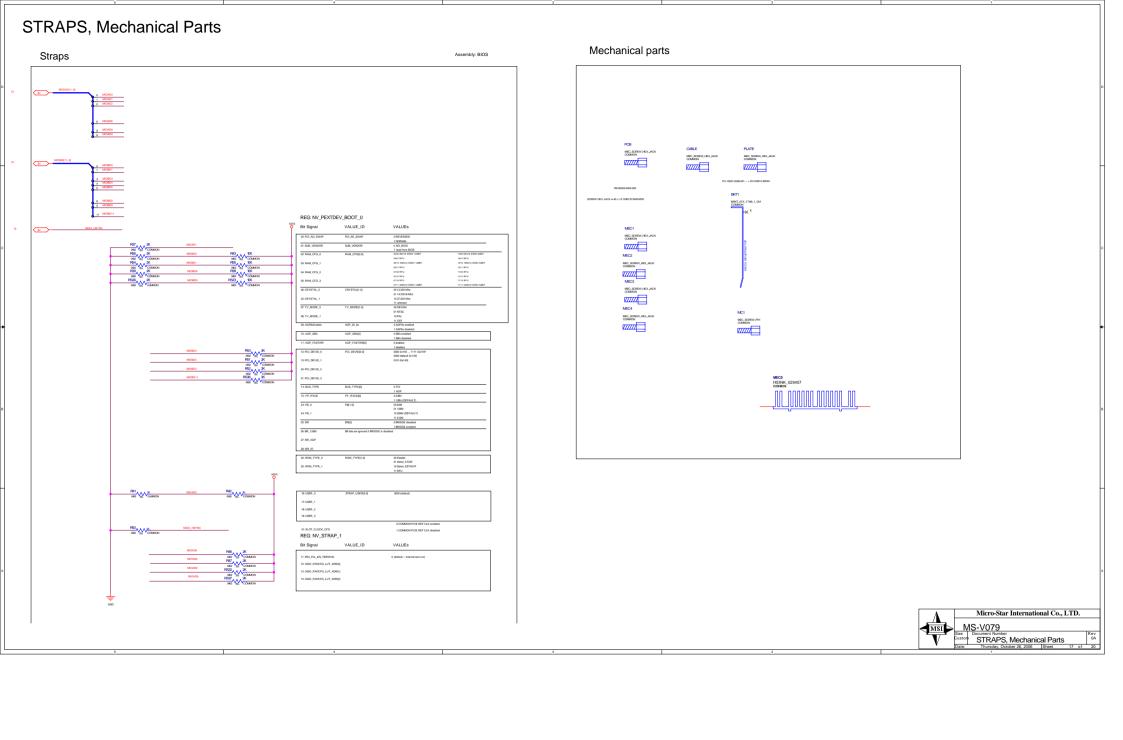




Λ	Micro-Star International Co., LTD.					
MSI	N	1S-V079				
V	Size Custon	DACB MiniDIN VII		DUT		Rev 0A
	Date:	Wednesday, October 25, 2006	Sheet	14	of	20

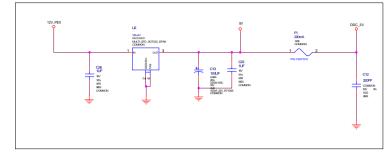




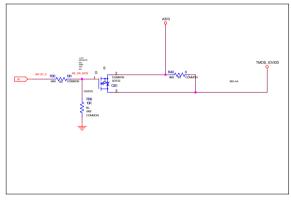


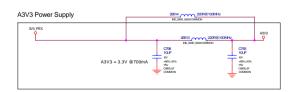
Power Supply:TMDS_IOVDD/A3V3/5V

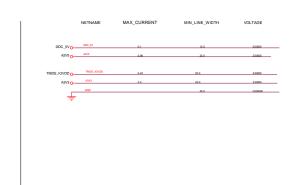
DDC 5V



TMDS IO SUPPLY WITH BACKDRIVE PROTECTION







FM2 FM5 FM3 FM6

EMC suggestion reserve

