### V078-0A BASE ON V079-0A modify

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

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### REV HISTORY

### Base on P501\_A01 modify

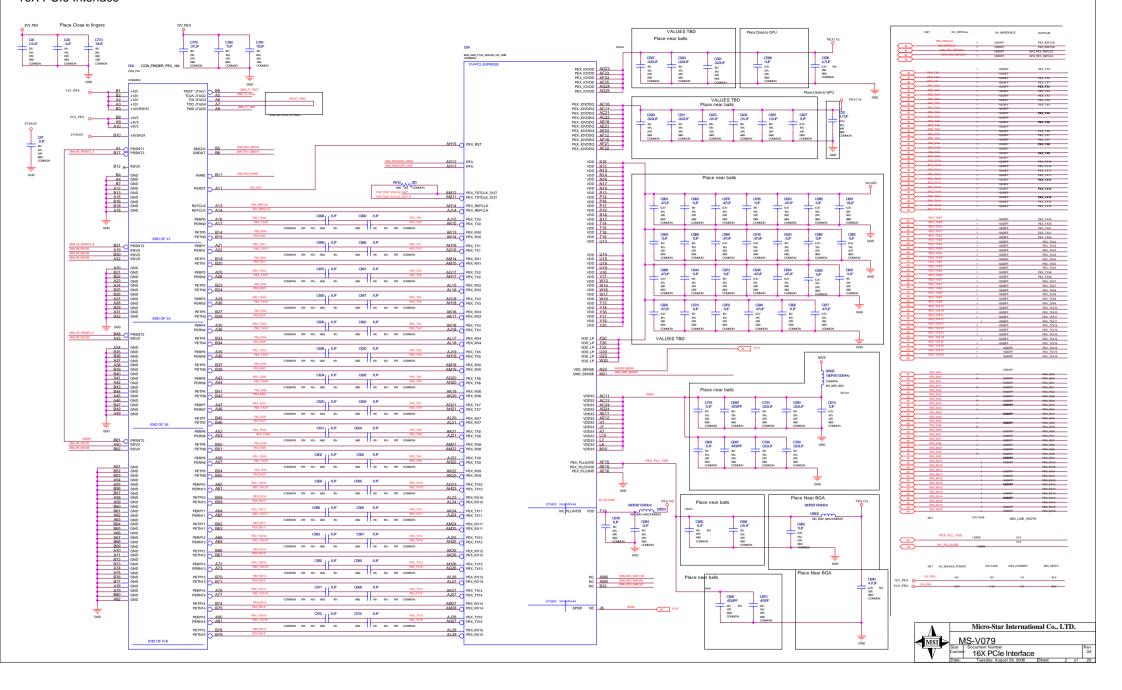
1.PAGE:12 Removed TMDS C/D connecter

1.PAGE:10 Add DACC Fly cable DSub

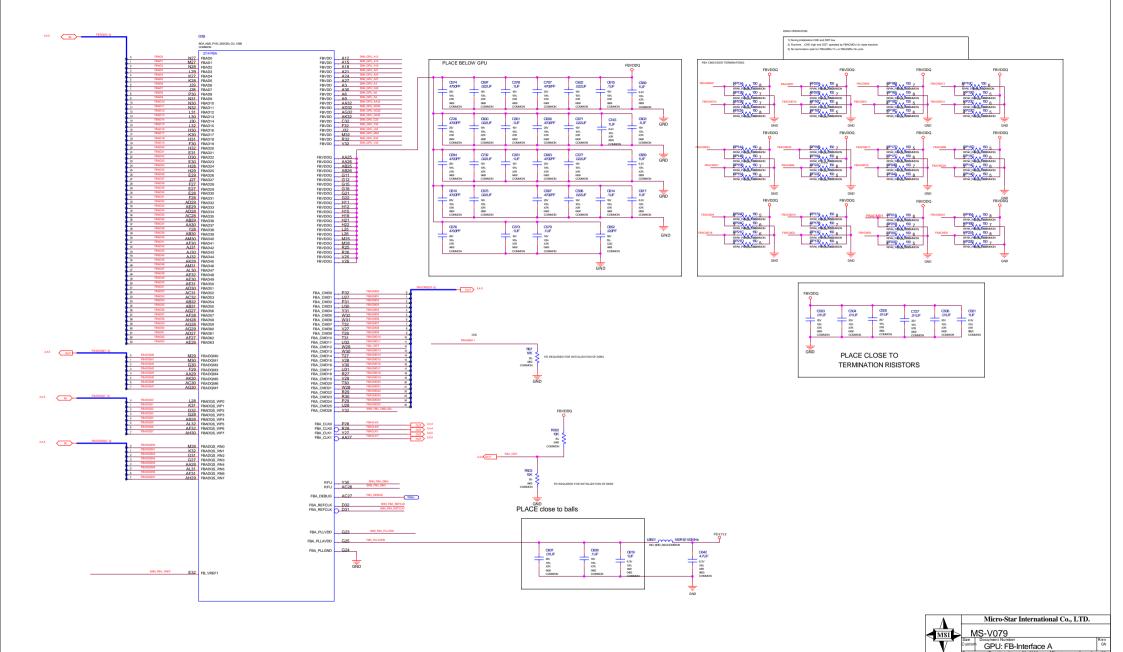
200	VARIANT	NVPN	ASSEMBLY
E	0000	600-10501-0000-100	G73 400/350MHz 256MB 128bit DDR2 16MX16 DVI-I+VGA+HDTVOUT
1	0001	600-10501-0001-100	G73-V 375/350MHZ 256MB 128bit DDR2 16MX16 DVI-I+VGA+HDTVOUT
2	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
3	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
4	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
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6	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
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8	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
9	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
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1			



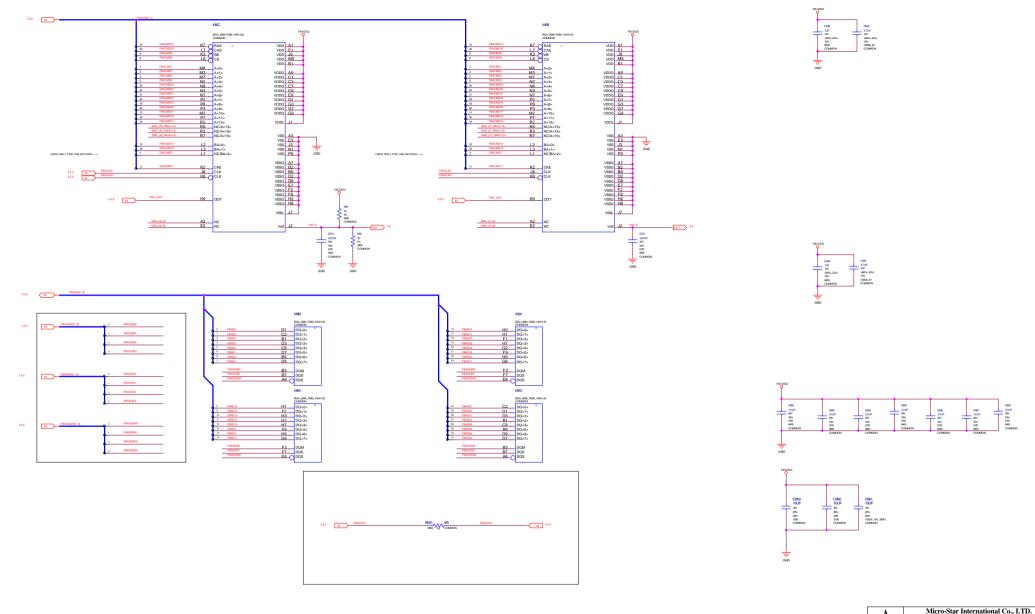
### 16X PCIe Interface



### GPU: FB-Interface A

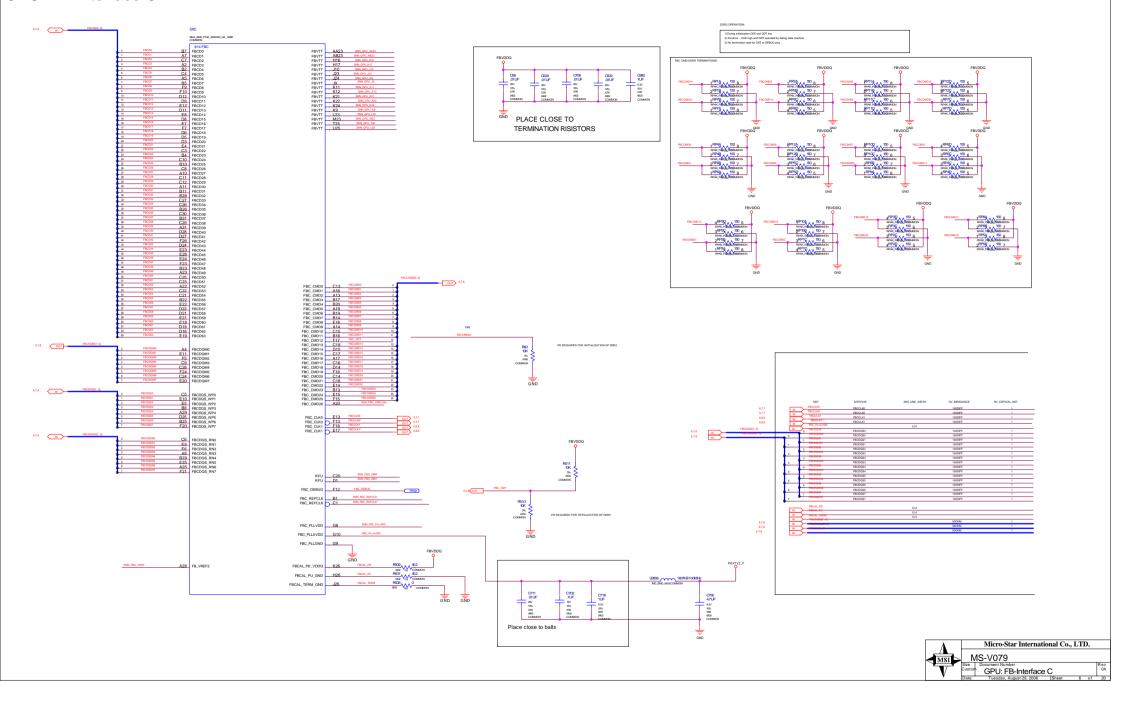


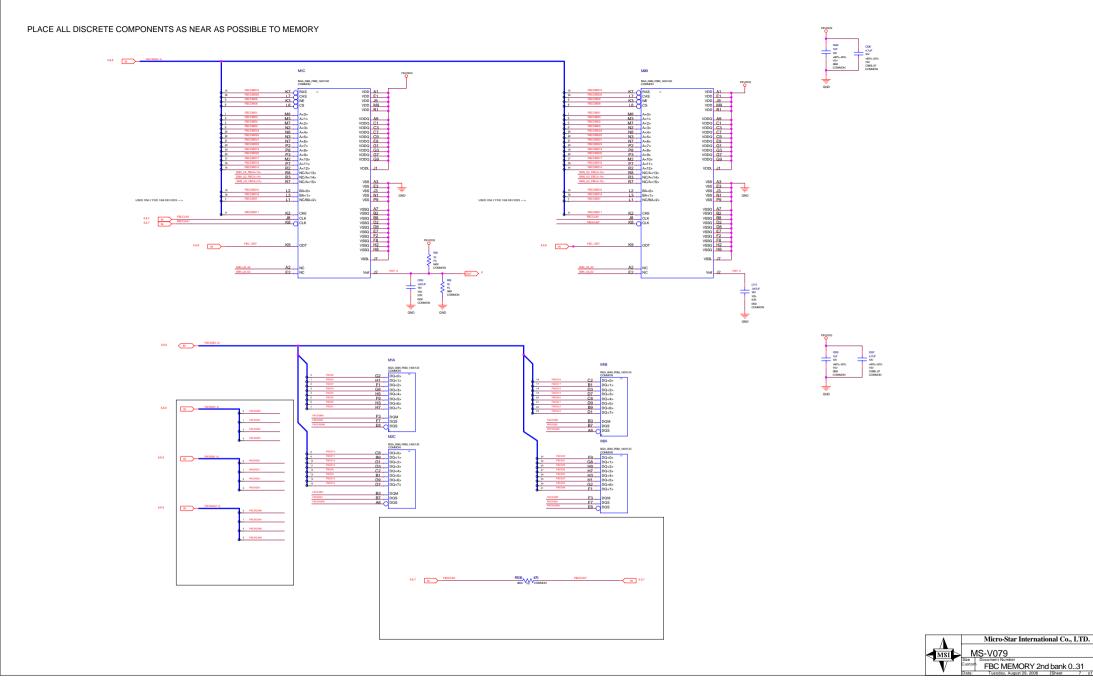
PLACE ALL DISCRETE COMPONENTS AS NEAR AS POSSIBLE TO MEMORY

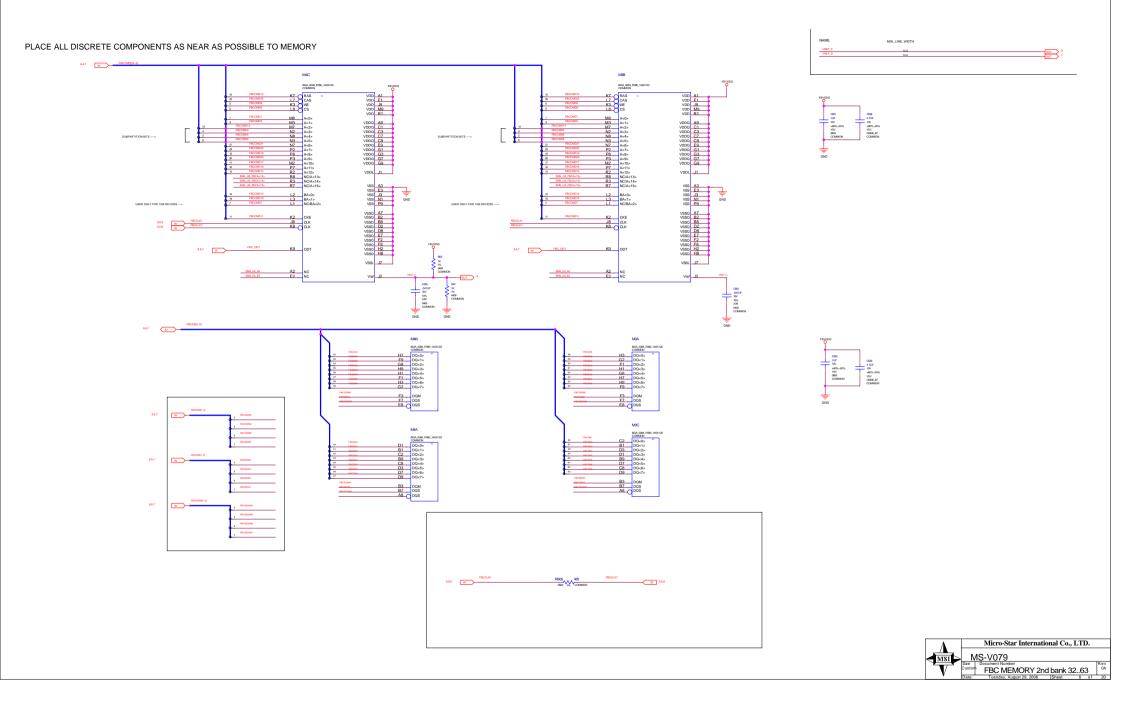


FBA MEMORY 1st bank 0..31

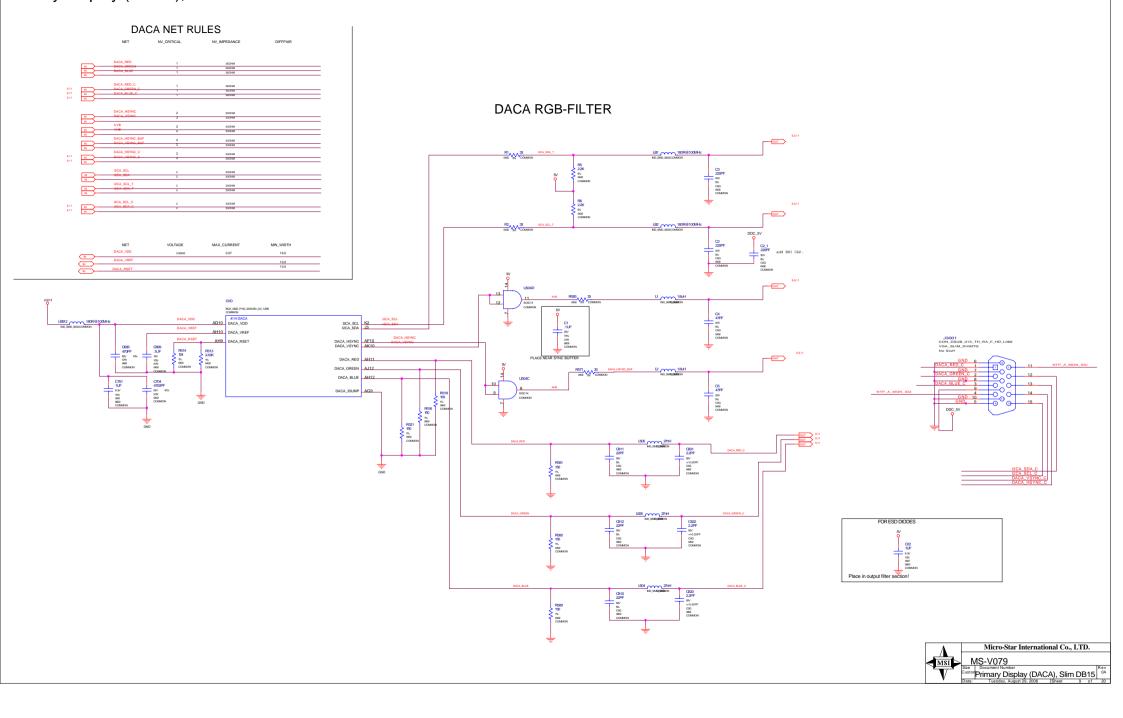
### GPU: FB-Interface C



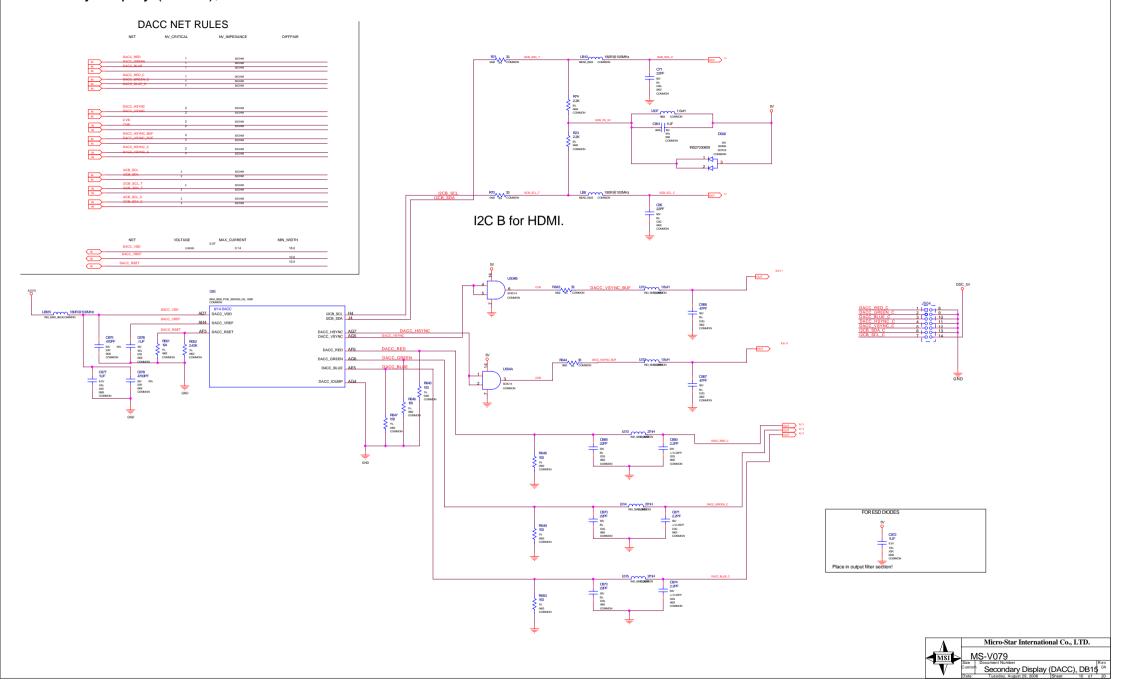


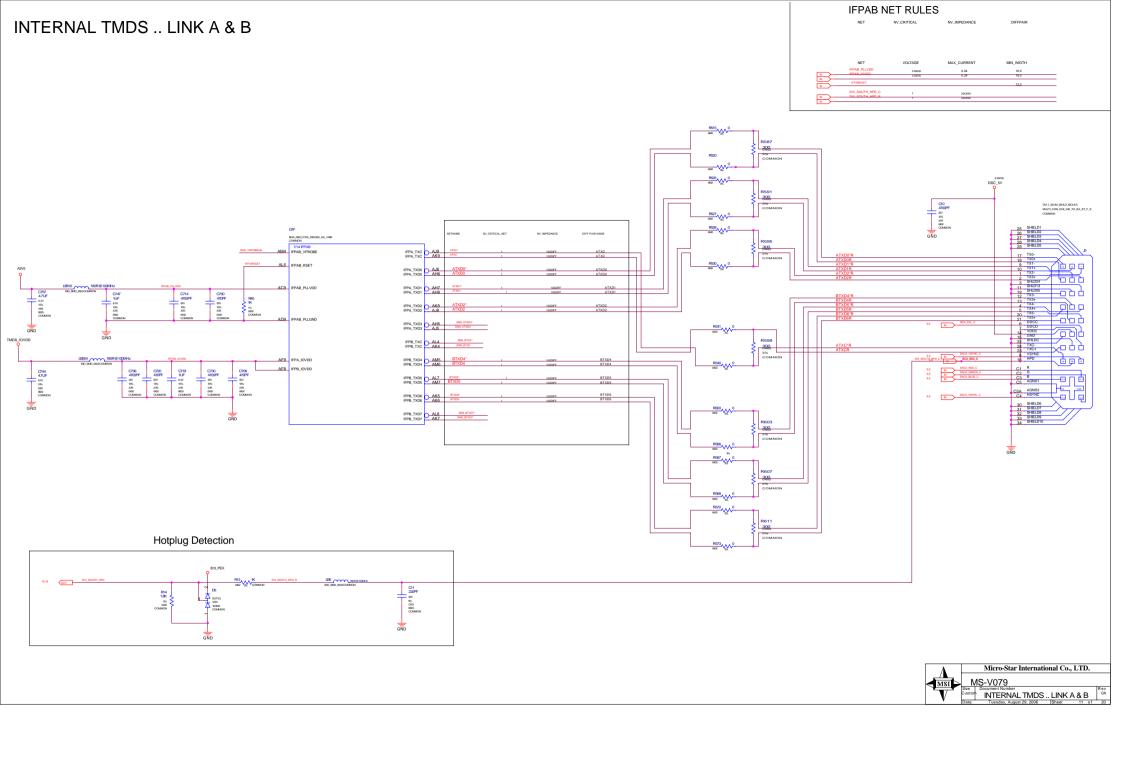


# Primary Display (DACA), Slim DB15

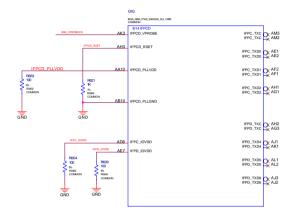


# Secondary Display (DACC), DB15





# INTERNAL TMDS .. LINK C

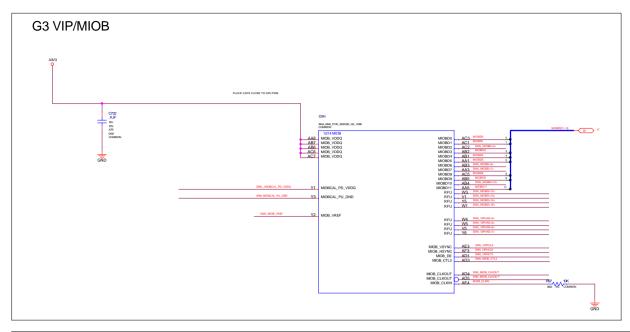


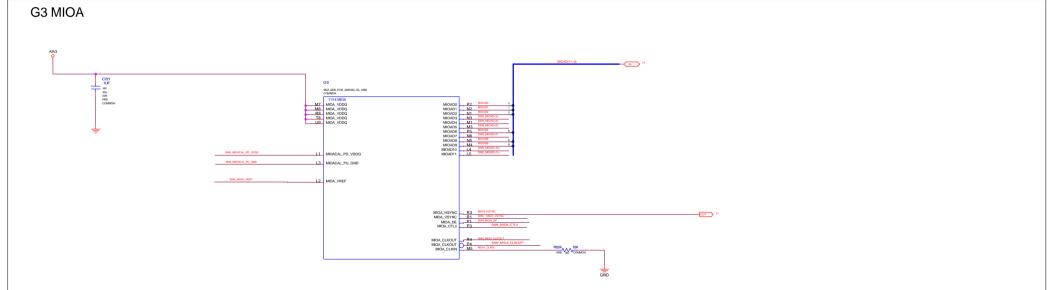
CEC pullup and clamping must be disconeccied from HDMI connector when Power down

# 



# G3 VIP/MIOB/MIOA





Micro-Star International Co., LTD.

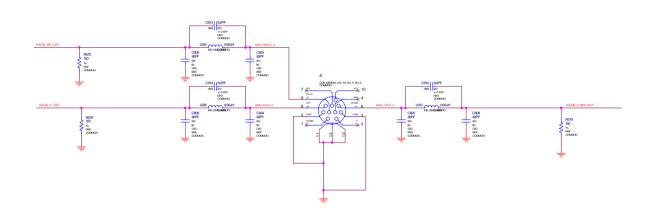
G3 VIP/MIOB/MIOA

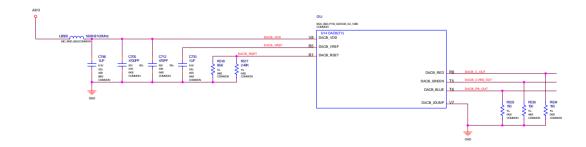
## DACB .. MiniDIN VIDEO OUT CONNECTOR

### DACB .. MiniDIN VIDEO OUT CONNECTOR

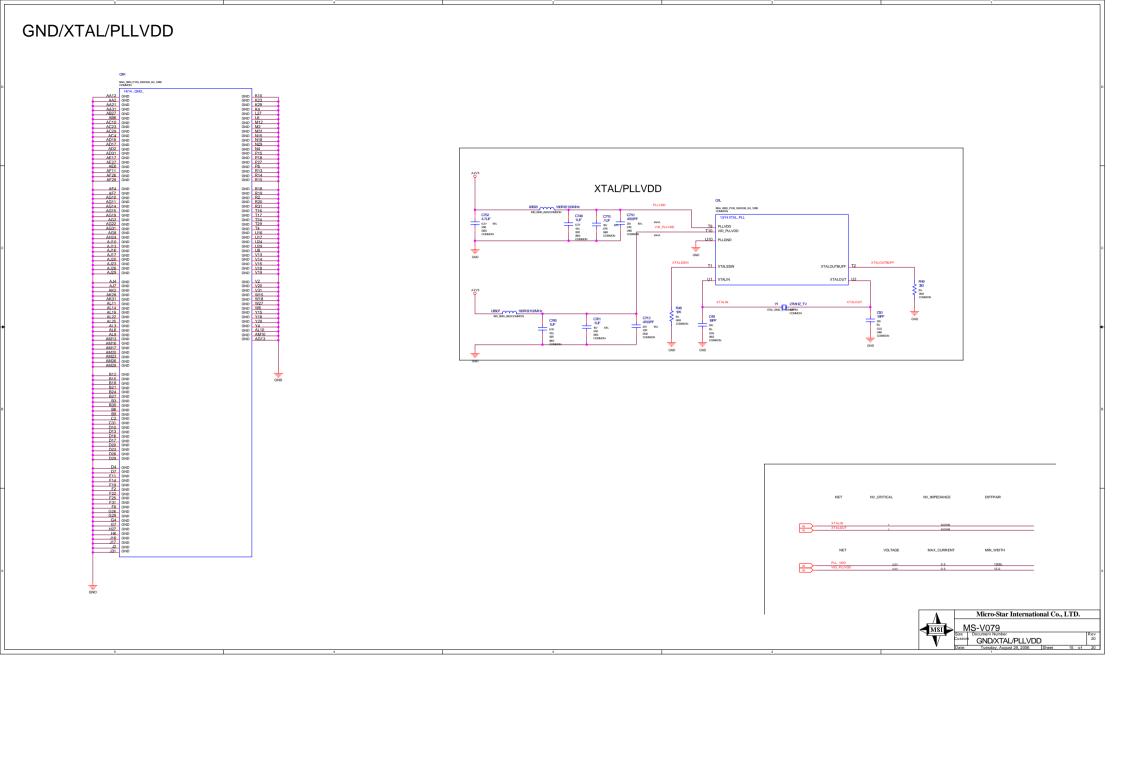
### DACB NET RULES

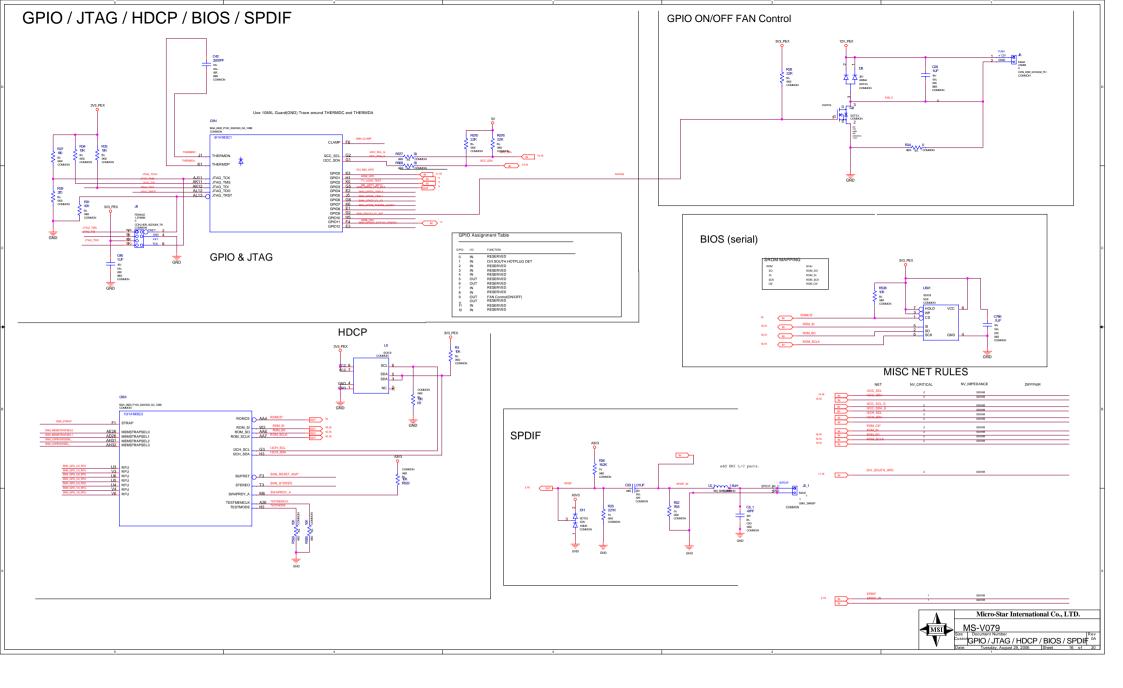
NET	NV_CRITICAL	NV_IMPEDANCE	DIFFPAIR
DACB_C_OU	1	SKOHM	
MDIN_COUT_		SKOHM	
DACB_CVBS	OUT	SICHM	
MDIN_YOUT_		COUN	
DACB_PB_O	rr 1	SICHM	
MDIN_PBOUT	c ,	COUN	
MON_SCL_C	2	SCOHM	
MDIN_SDA_C	2	SOCHW	
NET	VOLTAGE	MAX_CURRENT	MIN WIDTH
NEI	VOLTAGE	MAA_CORRENT	MIN_WIDTH
DACB_VDD	13000	0.07	16.0
DACB_VREF	-		16.0
HACK_RSET			16.0

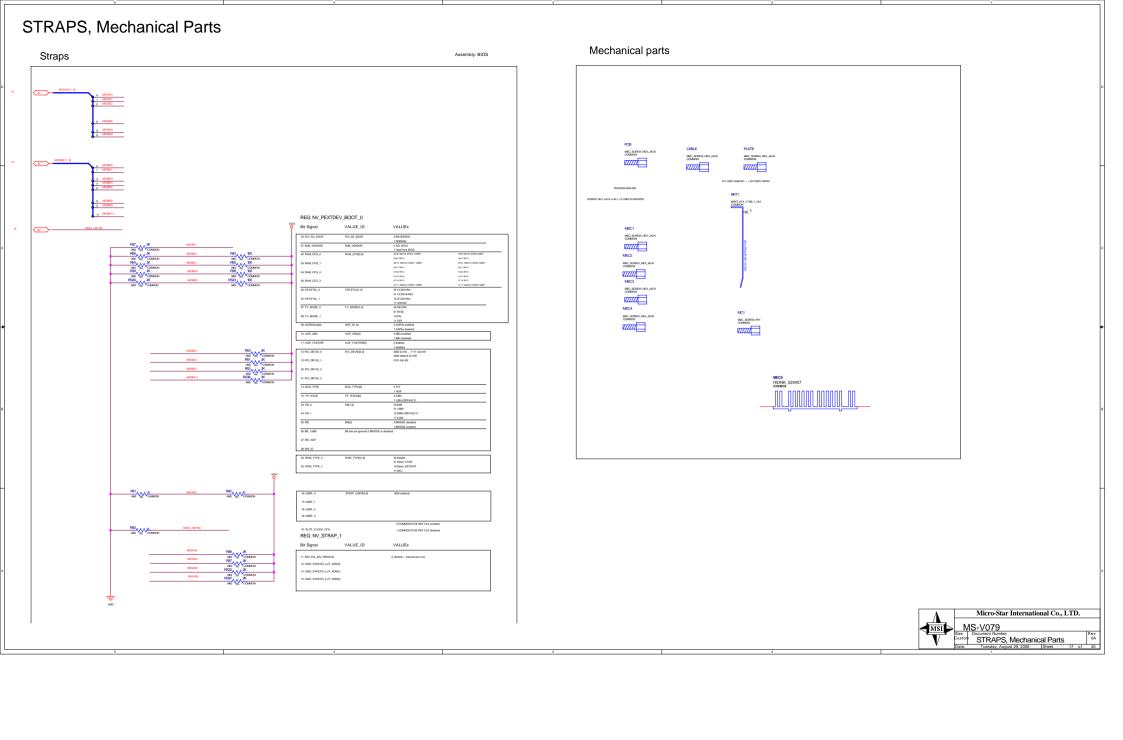




Λ		Micro-Star Internatio	nal Co.	, LTI	Э.	
✓ MSI	. N	IS-V079				
T	Size Custon	DACB MiniDIN VII	DEO C	DUT		QA OA
,	Date:	Tuesday, August 29, 2006	Sheet	14	of	20

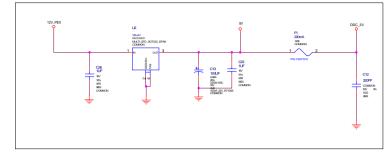




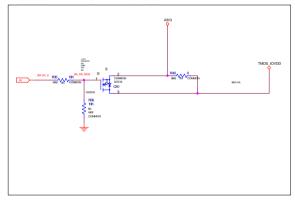


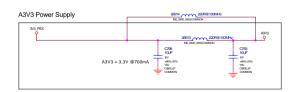
# Power Supply:TMDS\_IOVDD/A3V3/5V

### DDC 5V



### TMDS IO SUPPLY WITH BACKDRIVE PROTECTION







# FM1 FM4 FM2 FM5 FM3 FM6

### EMC suggestion reserve

