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

7/25-04

1.PAGE:12 Removed TMDS C/D connecter

2.PAGE:10 Add DACC Fly cable DSub

9/26-0A

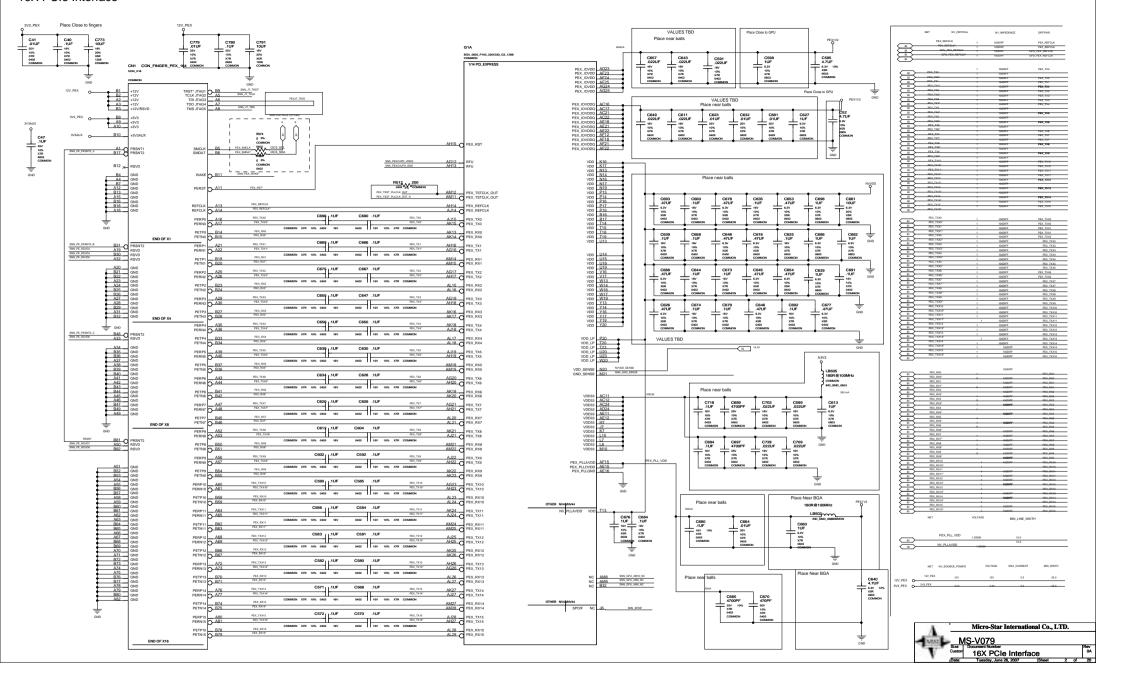
1.PAGE:10,16 revised DACA hotplug circuit

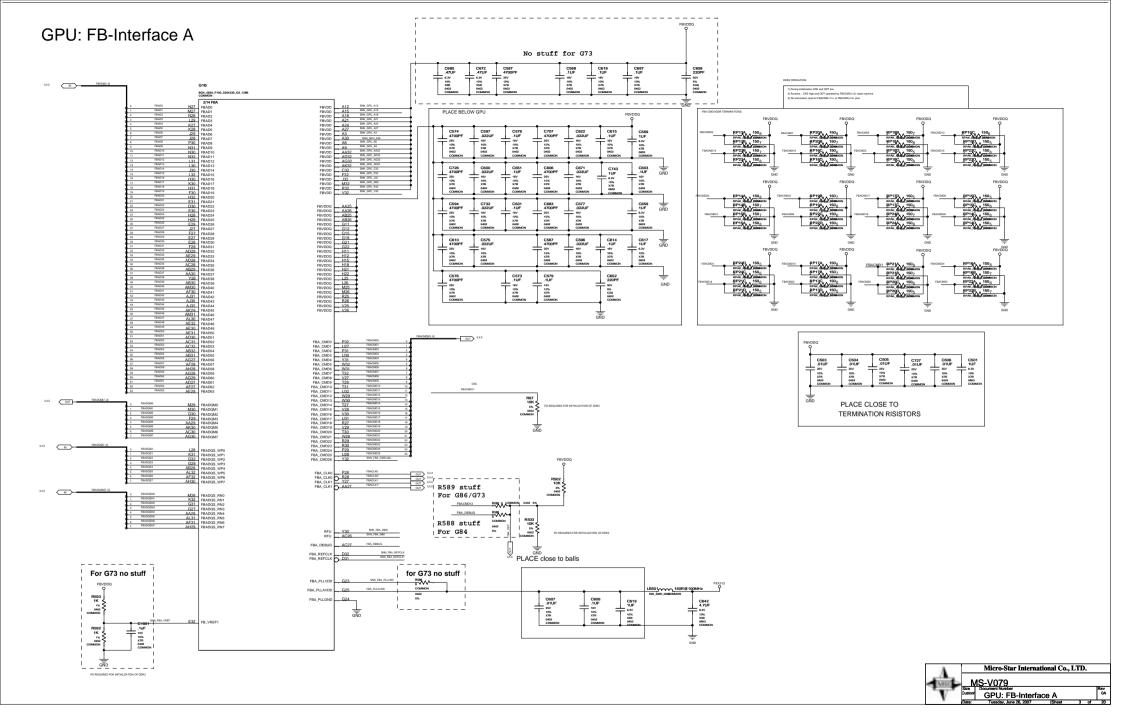
10/19-10

1.NA

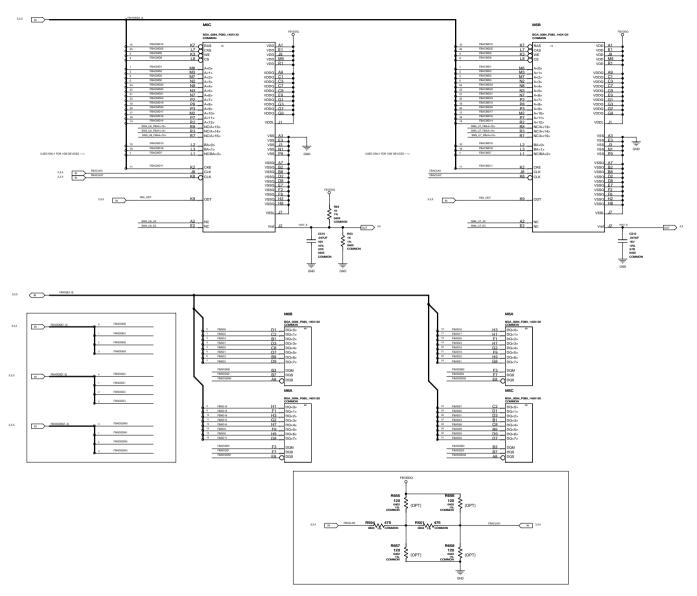
3952	VARIANT	NVPN	ASSEMBLY
В	0000	600-10501-0000-100	G73 400/350MHz 256MB 128bit DDR2 16MX16 DVI-I+VGA+HDTVOUT
1	0001	600-10501-0001-100	G73-V 375/350MHZ 256MB 128bit DDR2 16MX16 DVI-1+VGA+HDTVOUT
2	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
3	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
4	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
5	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
6	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
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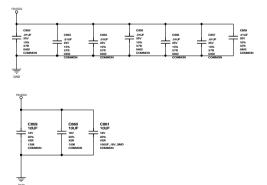


PLACE ALL DISCRETE COMPONENTS AS NEAR AS POSSIBLE TO MEMORY



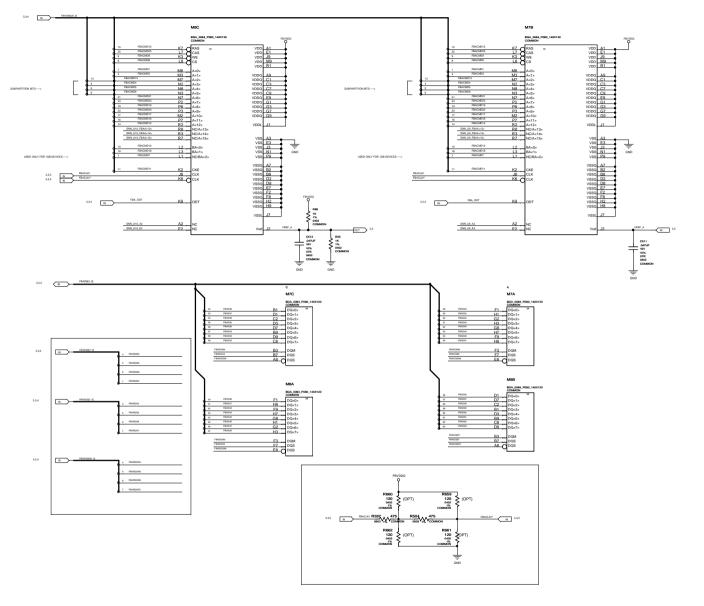






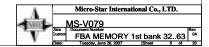




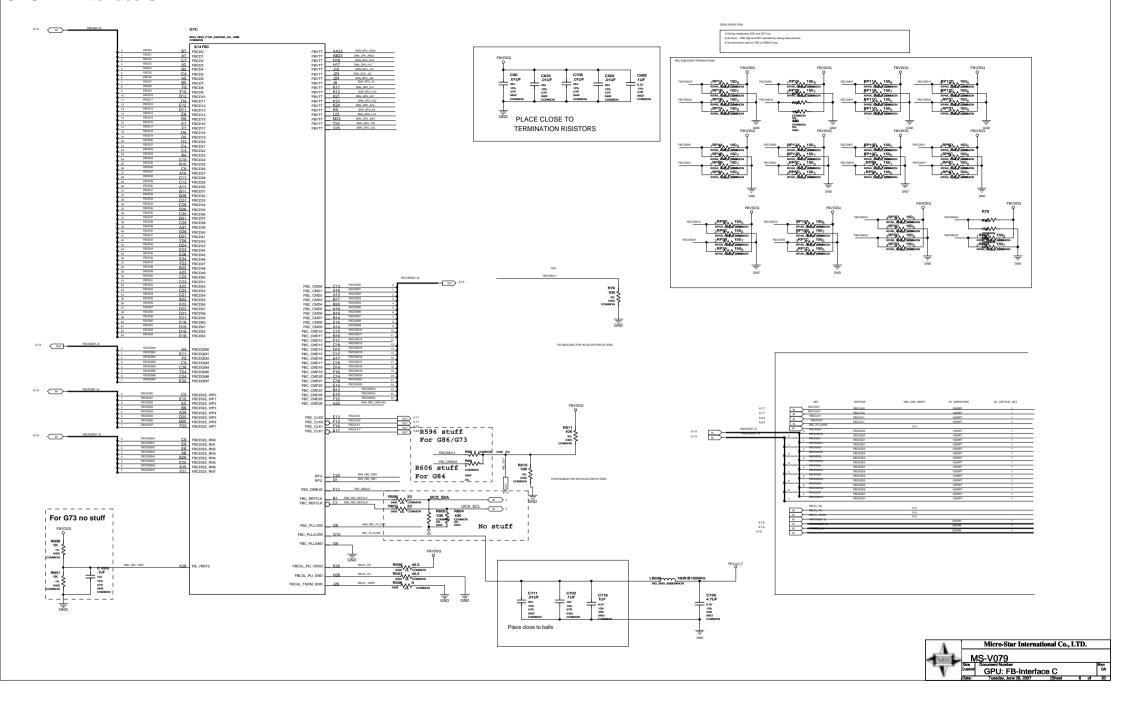


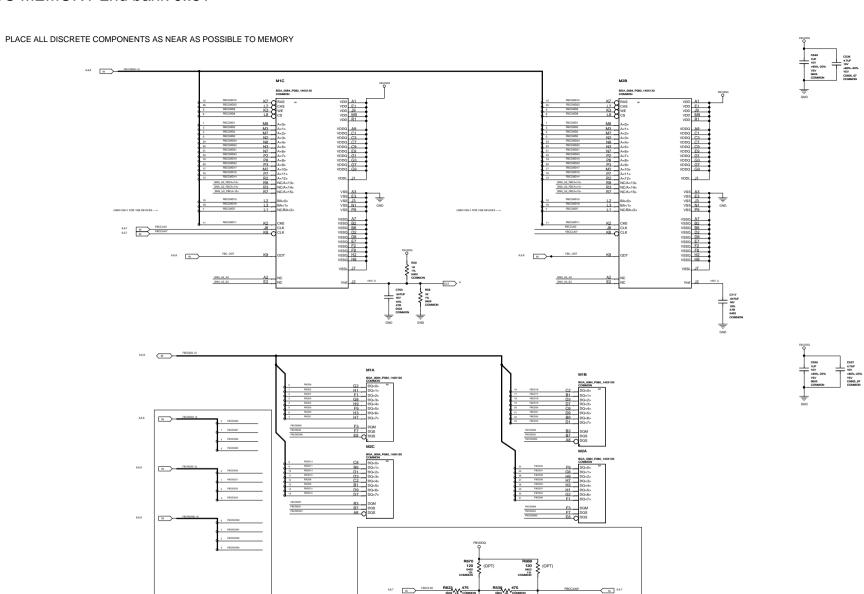




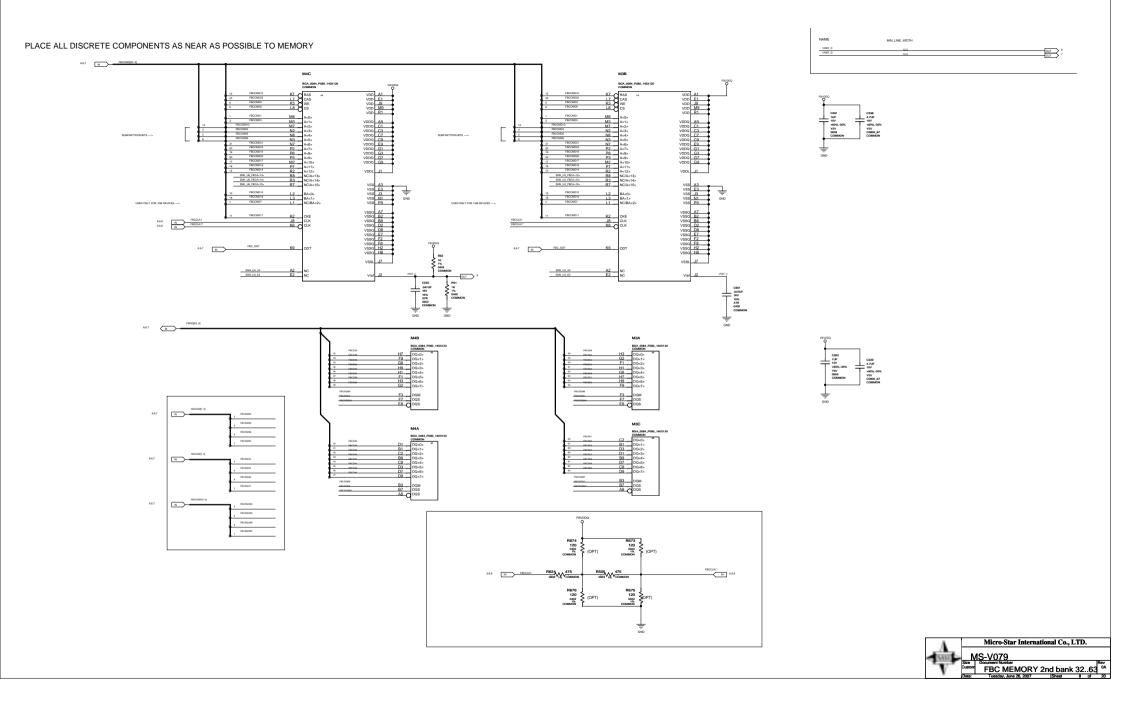


GPU: FB-Interface C

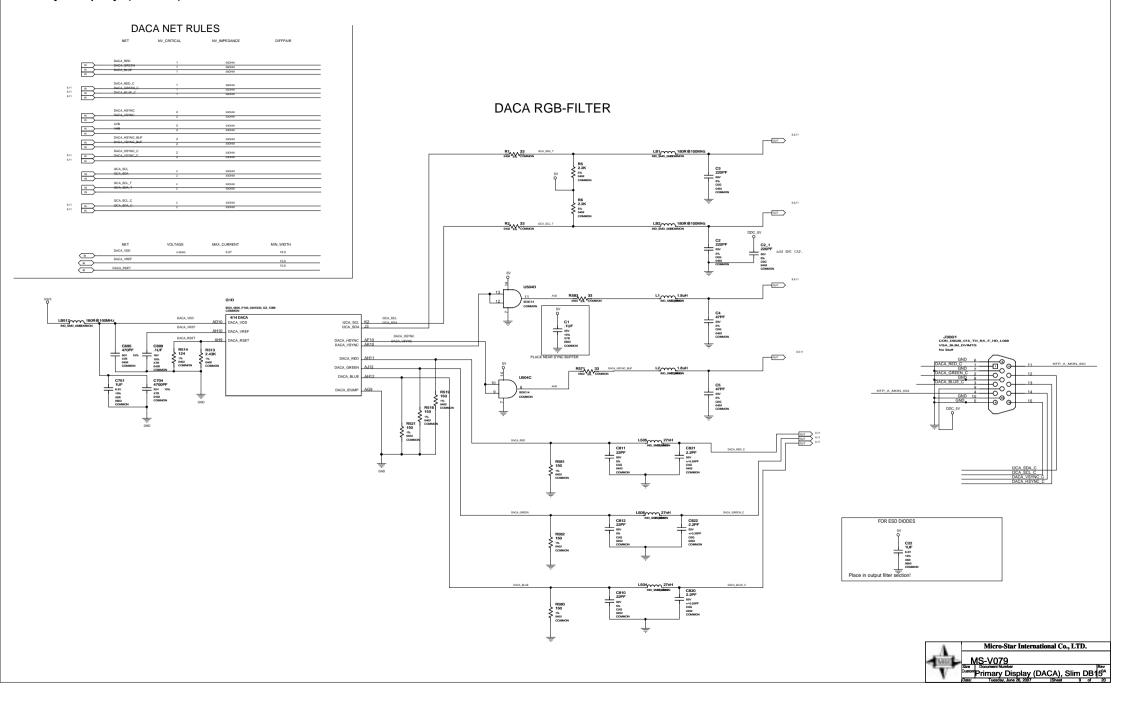




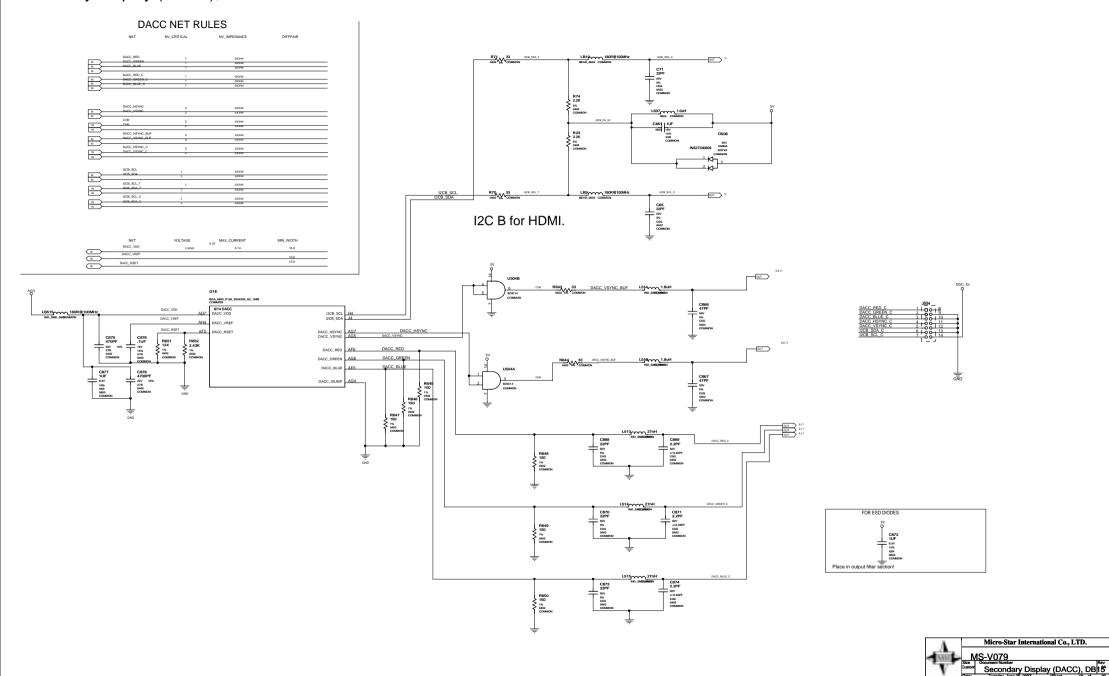


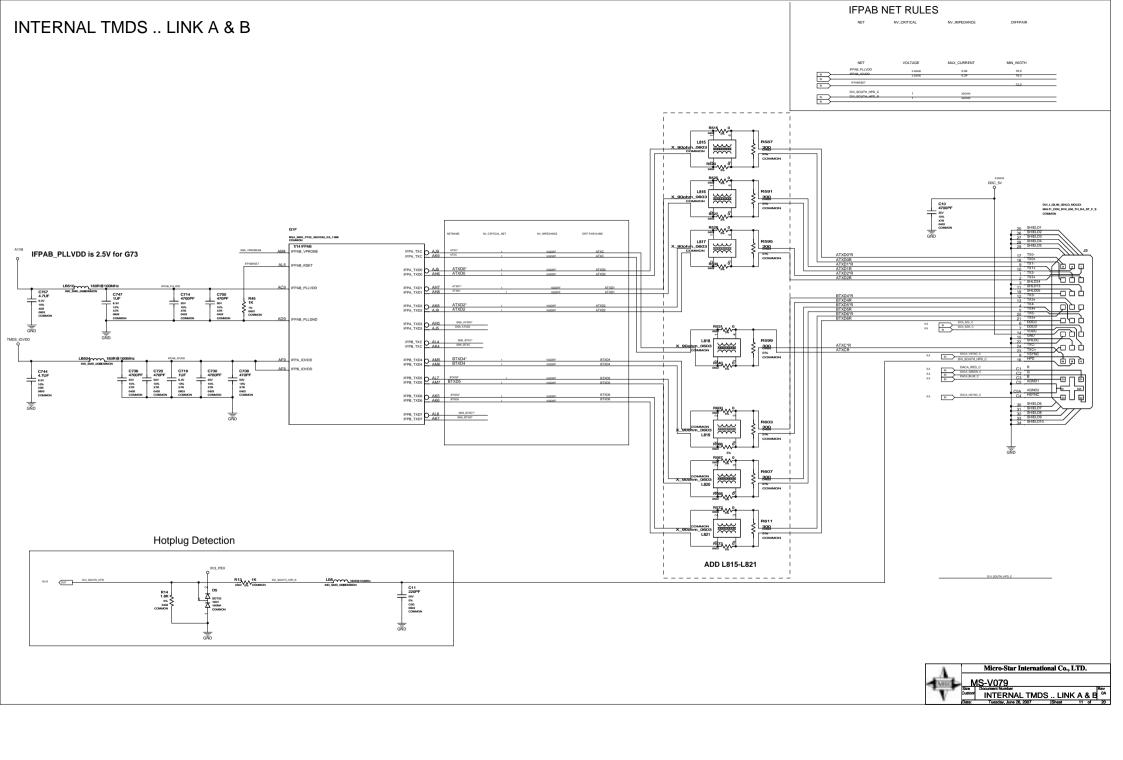


Primary Display (DACA), Slim DB15

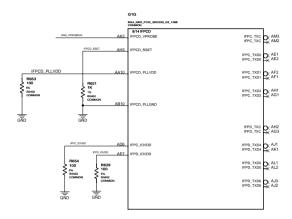


Secondary Display (DACC), DB15





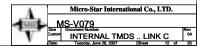
INTERNAL TMDS .. LINK C



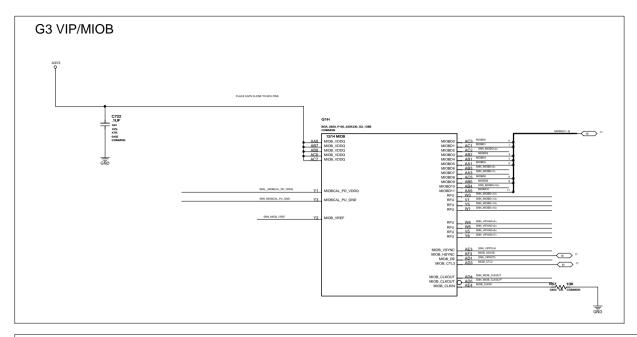
CEC pulsup and clamping must be disconncised from HDMI connector when Power down

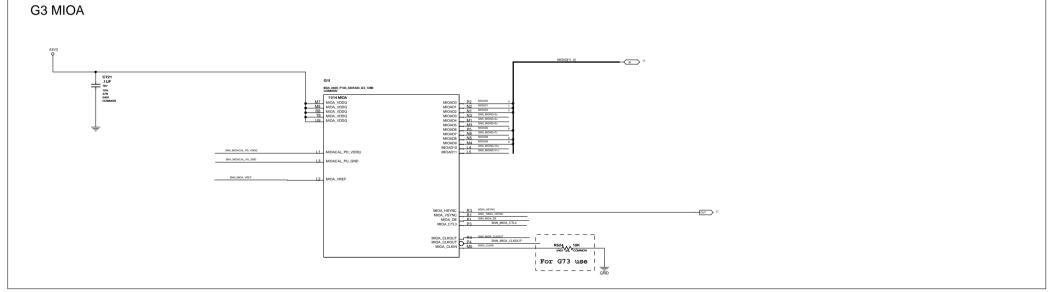
IFPAB NET RULES

		NET	NV_CRITICAL	NV_IMPEDANCE	DIFFPAIR
11		IFPCD_RSET	1	SOCHM	
	\equiv	DVI_MID_HPD_C	1	SICHM	
	N N	- DUGHID, NOUN	1	SOHM	
		NET	VOLTAGE	MAX_CURRENT	MIN_WIDTH
	_	IFPCD_PLLVDD	3.30000	0.04	16.0
	N N	IERD IOVDO	13000	0.12	16.0
	N		13000	0.12	16.0



G3 VIP/MIOB/MIOA





Micro-Star International Co., LTD.

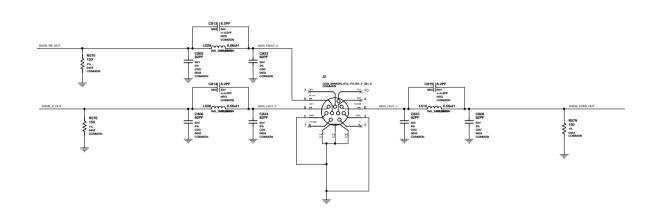
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te: Tuesday, June 28, 2007 | She

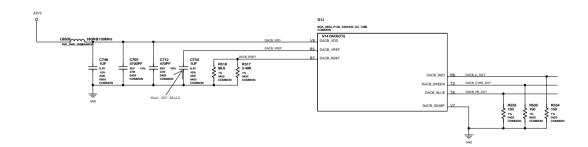
DACB .. MiniDIN VIDEO OUT CONNECTOR

DACB .. MiniDIN VIDEO OUT CONNECTOR

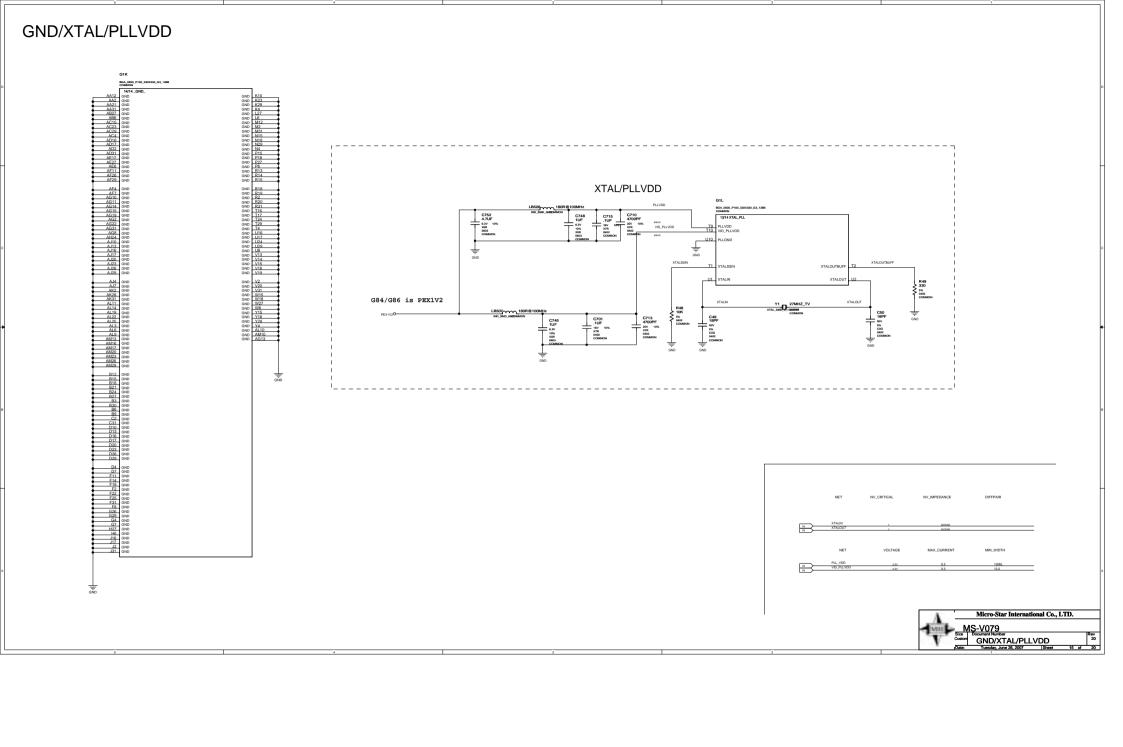
DACB NET RULES

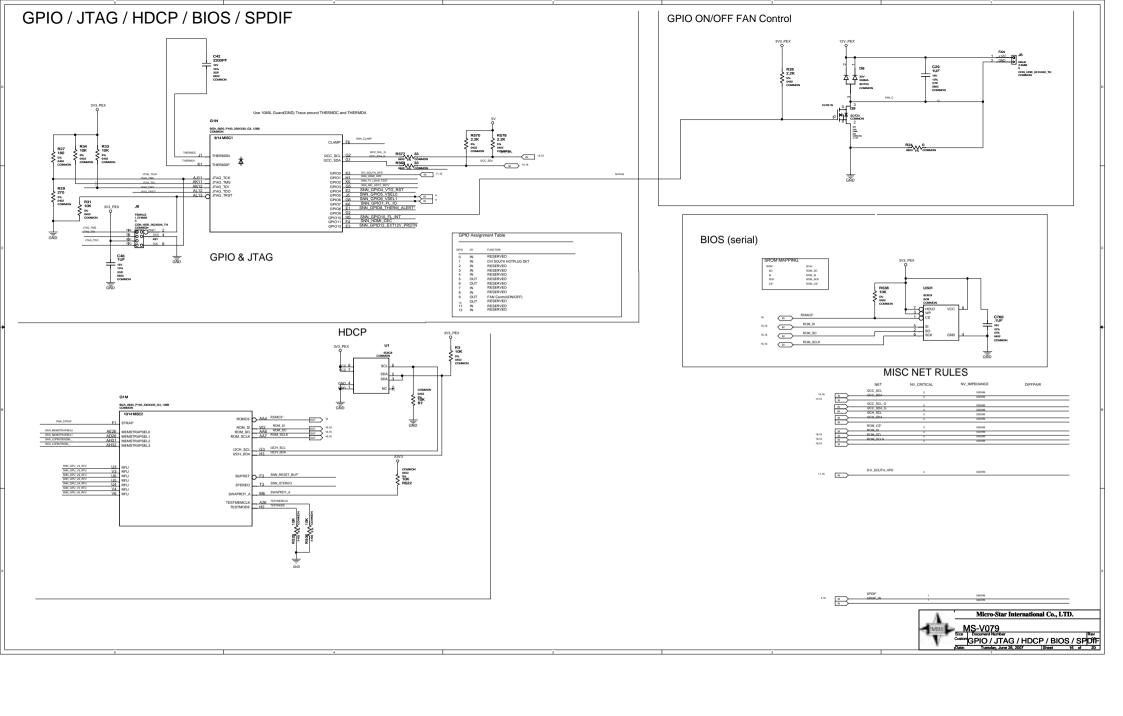
	NET	NV_CRITICAL	NV_IMPEDANCE	DIFFPAIR
$\overline{}$	DACB_C_OUT	1	SKOHM	
≺	MDIN_COUT_C		SSOHW	
≍	DACB_CVBS_OUT	1	SECHM	
≺⊏	MDIN_YOUT_C		CCOUNT	
\preceq	DACB_PB_OUT	1	SKOHM	
≺⊏	MDIN_PBOUT_C		SCOUN	
_				
	MON_SCL_C	2	SOOHM	
\supset	MDIN_SDA_C	- 2	SCORM	
	NET	VOLTAGE	MAX CURRENT	MIN WIDTH
	NEI	VOLIAGE	MAA_CORRENT	MIN_WIDTH
	DACB_VDD	2,30000	0.07	16.0
\Rightarrow	DACK_VREE			16.0
$\prec =$	DAUBURSET			16.0
_				

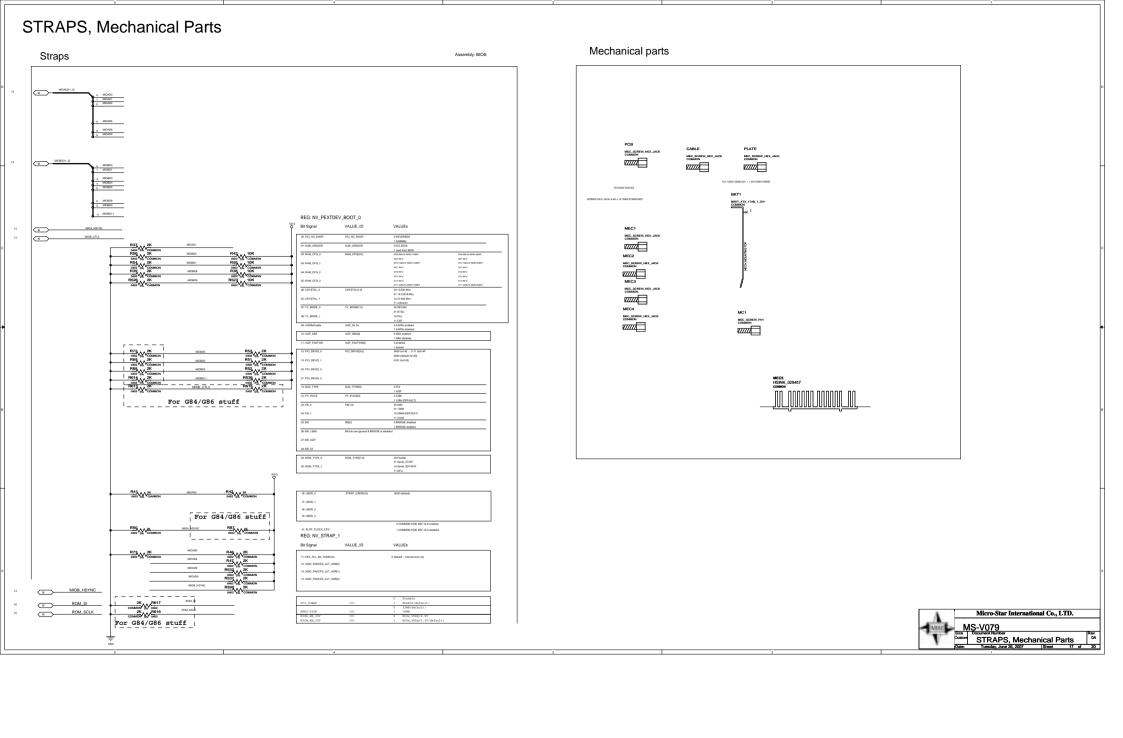






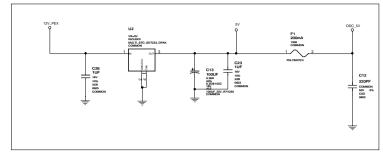




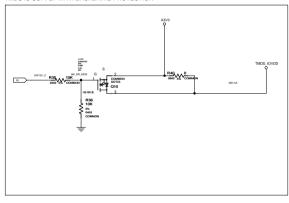


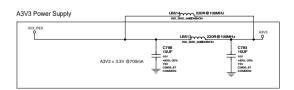
Power Supply:TMDS_IOVDD/A3V3/5V/DAC_REF





TMDS IO SUPPLY WITH BACKDRIVE PROTECTION





	NETNAME	MAX_CURRENT	MIN_LINE_WIDTH	VOLTAGE
DDC_5V _Q	000_5/	0.1	12.0	5.00000
A2V50	AZVS	0.96	25.0	2.50000
TMDS_IOVDD _Q -	TMDS_IOVDD	0.24	20.0	2,30000
A3V30-	A3V3	0.4	20.0	2,30000
_	GND		35.0	0.00000
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EMC suggestion reserve

