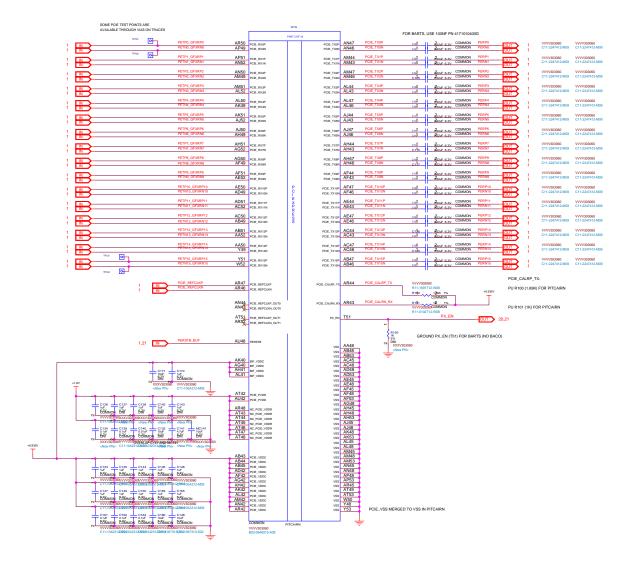
(2) CURACAO PCIE INTERFACE





(3) CURACAO MEM INTERFACE CH AB | OSB | Ch | E34 | OSB | PART 4 OF 18 DOAQ - C1DOAQ - C1-| DOBQ, -db | COBQ, -db | COBQ OOB1_db MAA1_<0> MAA1_<1> MAA1_<2> MAA1_<2> MAA1_<2> MAA1_<3> MAA1_<3 MAA1_<3> MAA1_<3 MAA1_ 5 MABO_<0> 5 MABO_<1> 5 MABO_<1> 5 MABO_<2> 5 MABO_<3> 5 MABO_<5> 6 MABO_<5> 6 MABO_<5> MAAO_<0> MAAO_<1> MAAO_<2> MAAO_<3> MAAO_<4> MAAO_<5> MAAO_<6> MAAO_<6> MAAO_<7> MAAO_<8> MAB1_<0> MAB1_<1> MAB1_<2> MAB1_<2> MAB1_<3> MAB1_<4> MAB1_<5> MAB1_<5 MAB1_<5> MAB1 M49 DOBAG_0 R46 DOBAG_1 H49 DOBAG_2 F46 DOBAG_3 G46 ADBIAG ADBIA1 K39 ADBIB1 H18 CKEAI G42 CKEA CKEB1 L19 CKEB1 OUT R3802 40.28 1% DNI XXXV303 «New PNs U42 NC_MEM_CALRPO USE INTERNAL VREF USE INTERNAL VREF U1Z NC_MEM_CALRN C3602 R3606 1sf 100R 6.3V 1% DNI DNI XXXX303060XXXV chew PN ... chew Casoa fulf BNY R3607 100R DNI DRAM_RST1 #2scap 1 49.9R 1% DRAM_RST1_RR R3612 51K 15K COMMON VVVV303060 R11-0512T12-4

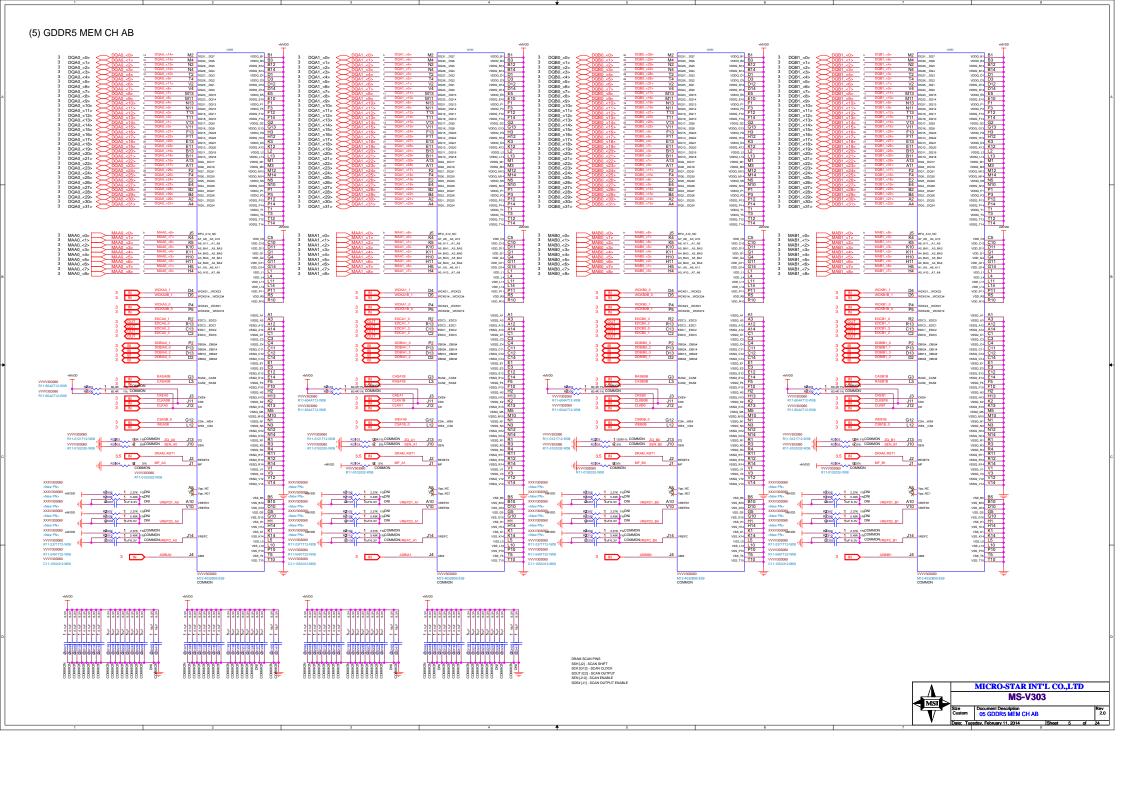


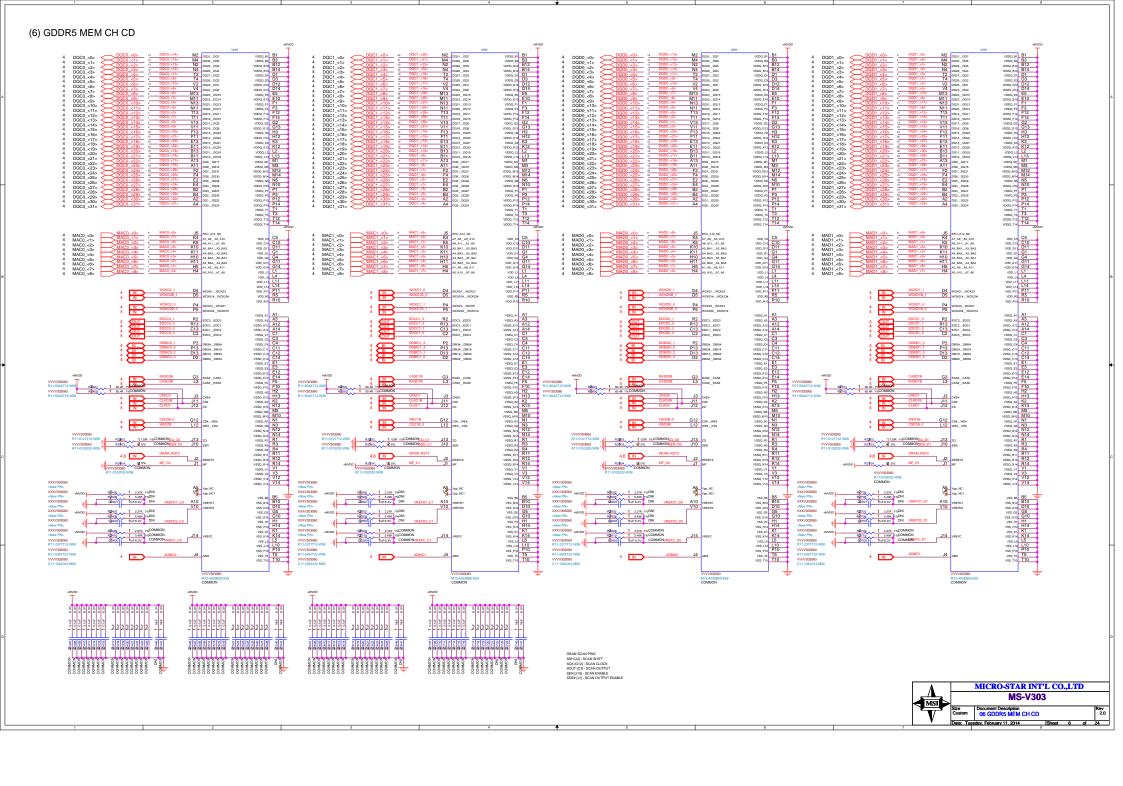
(4) CURACAO MEM INTERFACE CH CD DOCU_45DOC | DOC1 | db | DCC1 DODD_cb_ DOD | DODI | do | DODI MACI,0 AC12 MAC MACI,1 AC11 MAC MACI,2 AF11 MAC MACI,3 AF12 MAC MACI,4 AH11 MAC MACI,6 AA12 MAC MACI,7 AA11 MAC MACI,9 AB10 MAC MACI,9 AM10 MACO_<0> MACO_<1> MACO_<2> MACO_<3> MACO_<4> MACO_<5> MACO_<6> MACO_<7> MACO_<7> MACO_<8> MAC1_<0> MAC1_<1> MAC1_<2> MAC1_<2> MAC1_<3> MAC1_<3> MAC1_<4> MAC1_<5> MAC1_<6> MAC1_<7> MAC1_<7> MAC1_<7> MADO_<0> MADO_<1> MADO_<2> MADO_<3> MADO_<4> MADO_<5> MADO_<6> MADO_<6> MADO_<7> MADO_<8> MAD1_<0> MAD1_<1> MAD1_<2> MAD1_<2> MAD1_<3> MAD1_<3> MAD1_<6> MAD1_<5> MAD1_<6> MAD1_<7> MAD1_<6> MAD1_<7> MAD1_<8> WCKD1_0 BH5 WCKD1_0 WCKD18_0 AJ8 DOBIDO_0 AU12 DOBIDO_1 AT3 DOBIDO_2 BA4 DOBIDO_3 ADBIC1 AB11 ADBIC1 ADBID1 BF7 AW10 CKEC1 AA9 CKEC1 CKED1 BB9 CKED1 OUT R3618 40.28 1% DNI XXXV303060 <New PNs 1 120R 1% MEM_CALRP VVVV303060 COMMON R11-0121T12-W08 BB17 MEM_CALRP2 BA16 R3621 100R 10NI C3611 R3520 100R 1% DNI MVREFSD BA13 BC18 R3827 5.1K 1% COMMON VVVV303060 R11-0512T12-W MICRO-STAR INT'L CO.,LTD Λ MS-V303

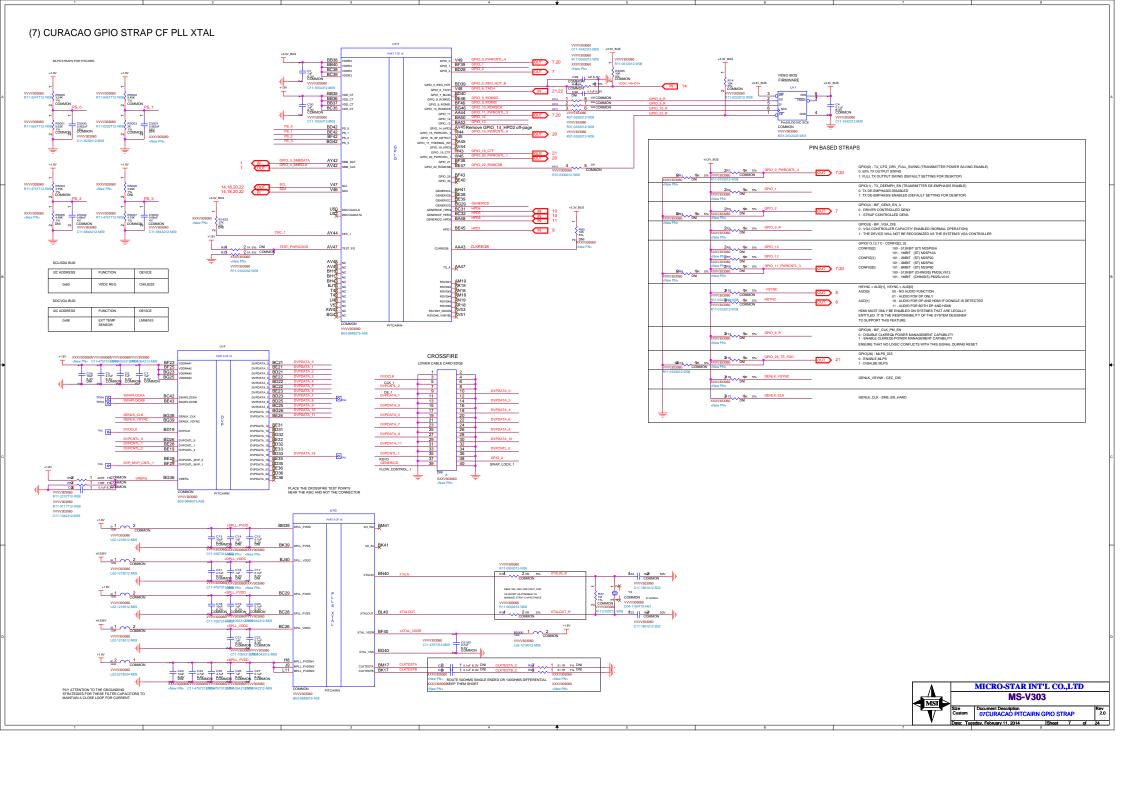
MSI

Document Description 04 CURACAO PITCAIRN MEM CH CD

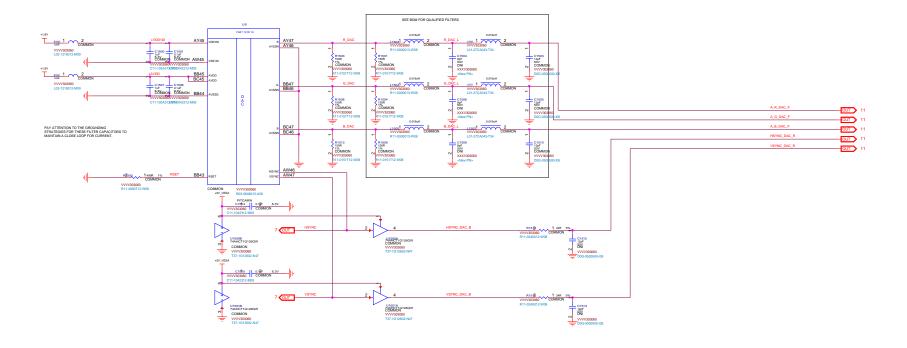
Rev 2.0





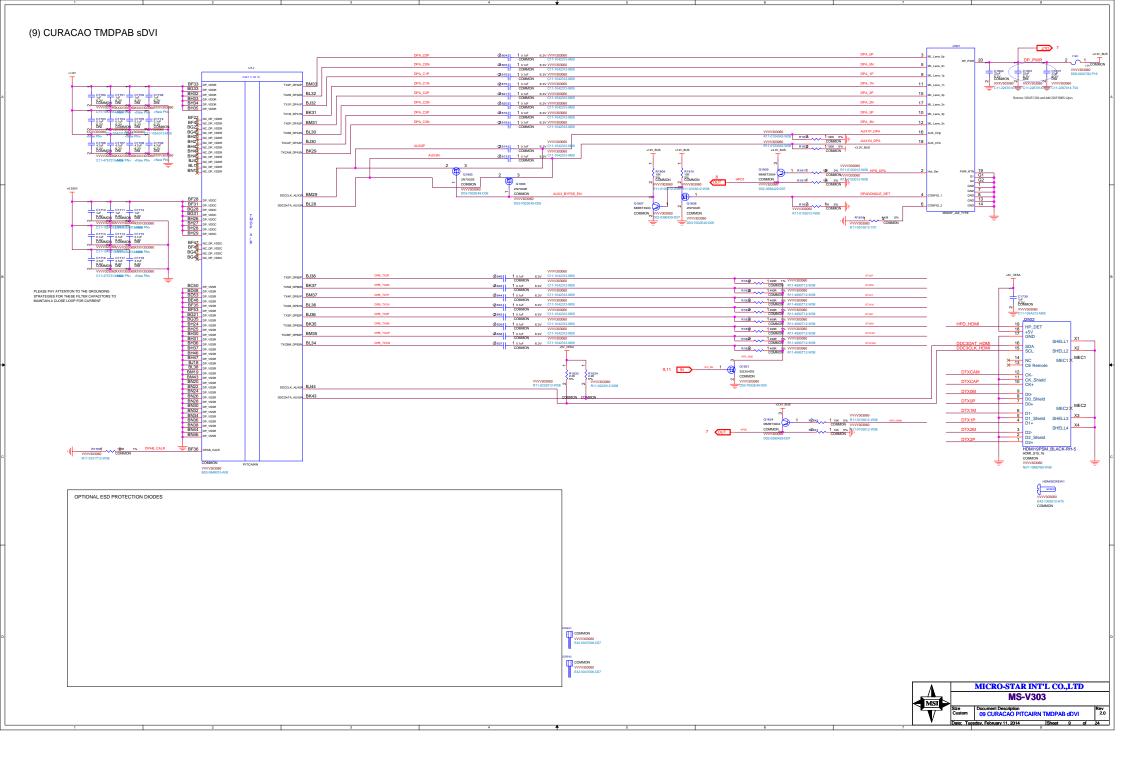


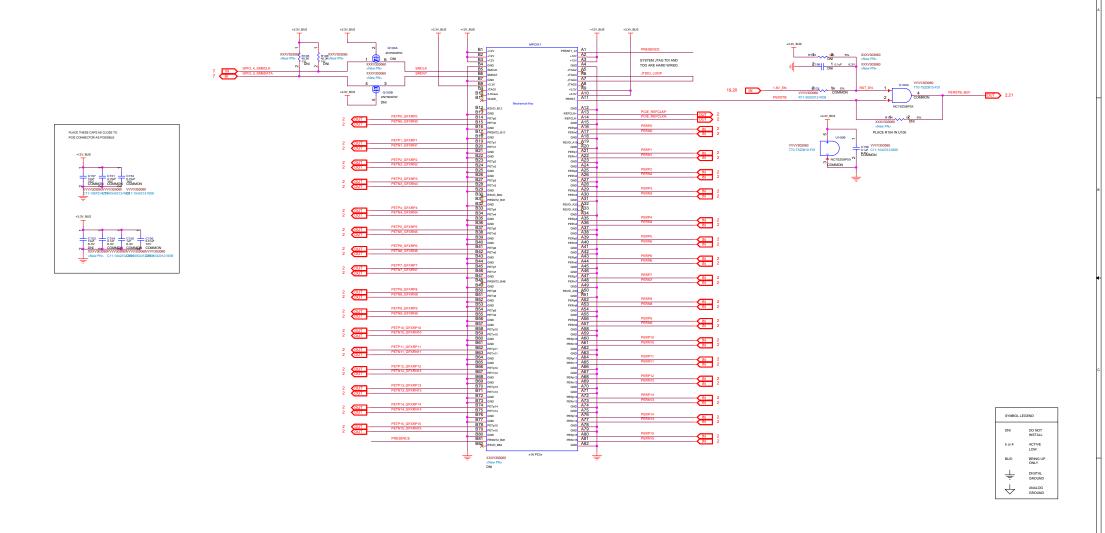
(8) CURACAO DAC



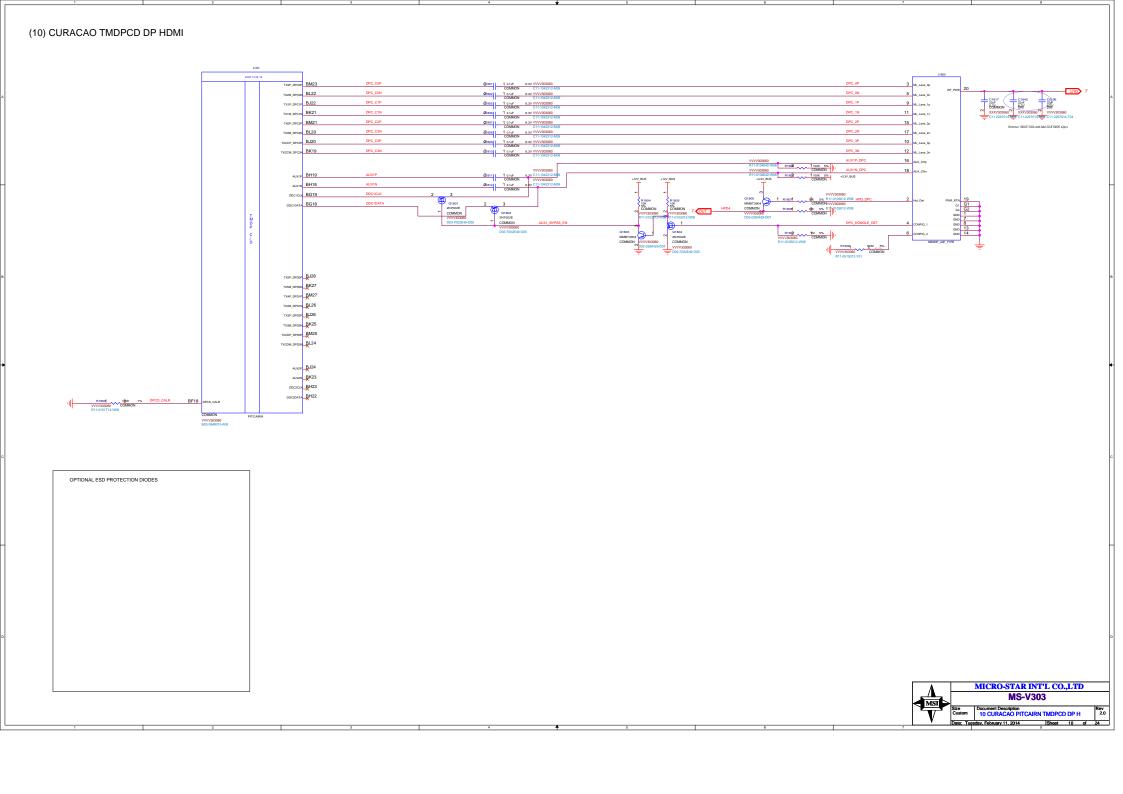
	01500 2	N	1	ESDEVSURU-IZLEH	DNI	A_R_DAC_F	
	DISKI 2	И	1	ESCEVSUNU-ISLEM	DNI	A_G_DAC_F	
<u>I</u>	nse 2	И	1	ESCEVSUNU-ISLEM	DNI	A_B_DAC_F	
<u> </u>	D1505 2	И	1	ESDEVORTB-00LRH	DNI	HSYNC_DAC_R	
	D1506 2	И	1	ESDBYOR:B-02LRH	DNI	VSYNC_DAC_R	

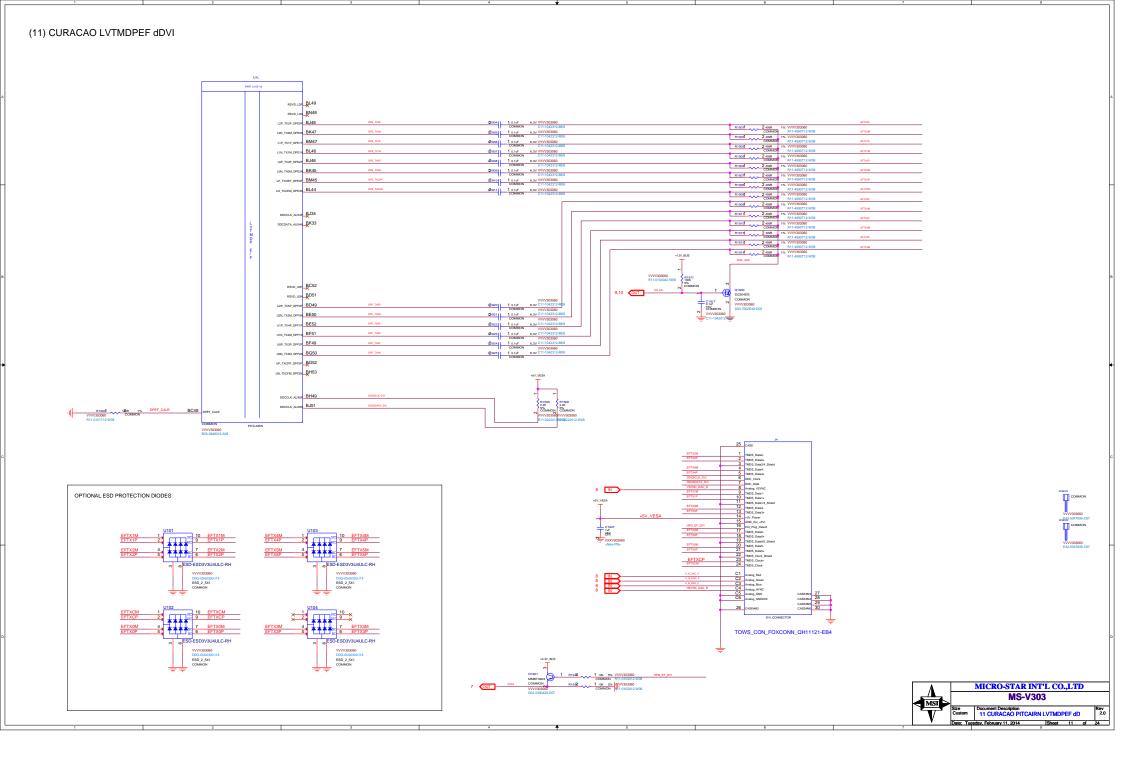
	A	MICRO-STAR INT'L CO.,LTD						
	MSI	MS-V303						
	V	Size Custom	Document Description 08 CURACAO PITCAIR	RN DAC			Rev 2.0	
7	y	Date: Tue	esday, February 11, 2014	Sheet	8	of	24	



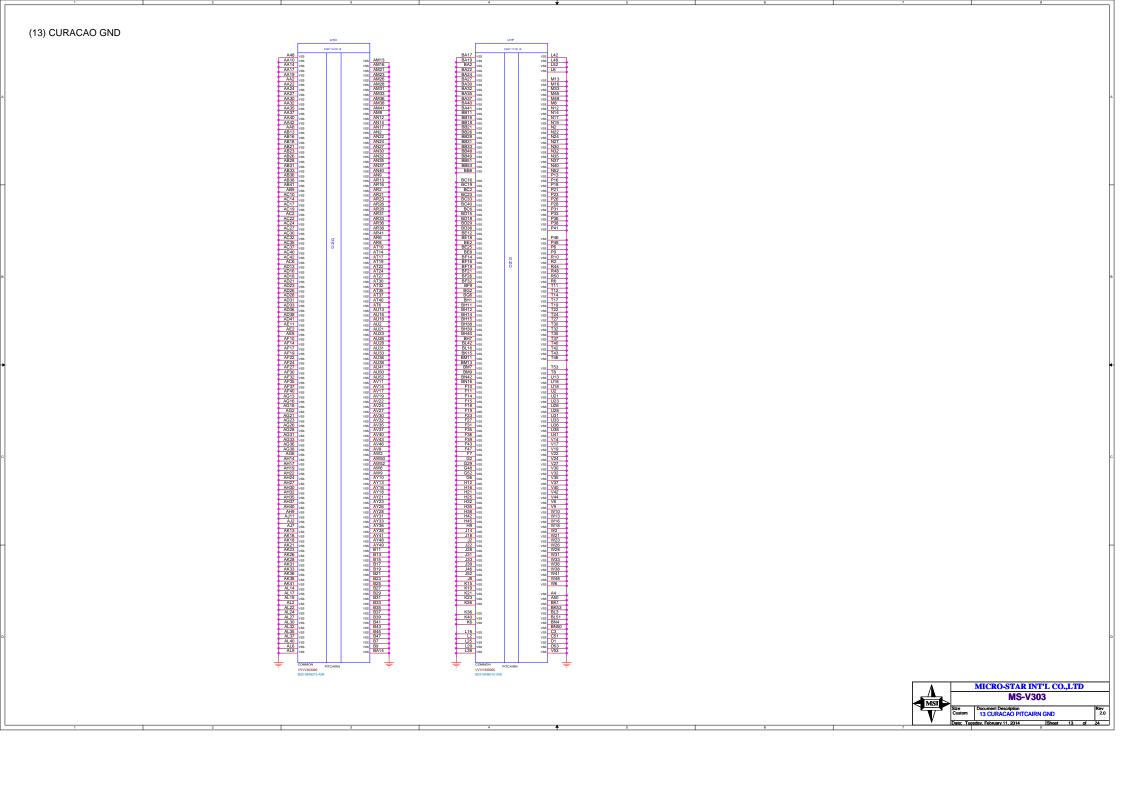


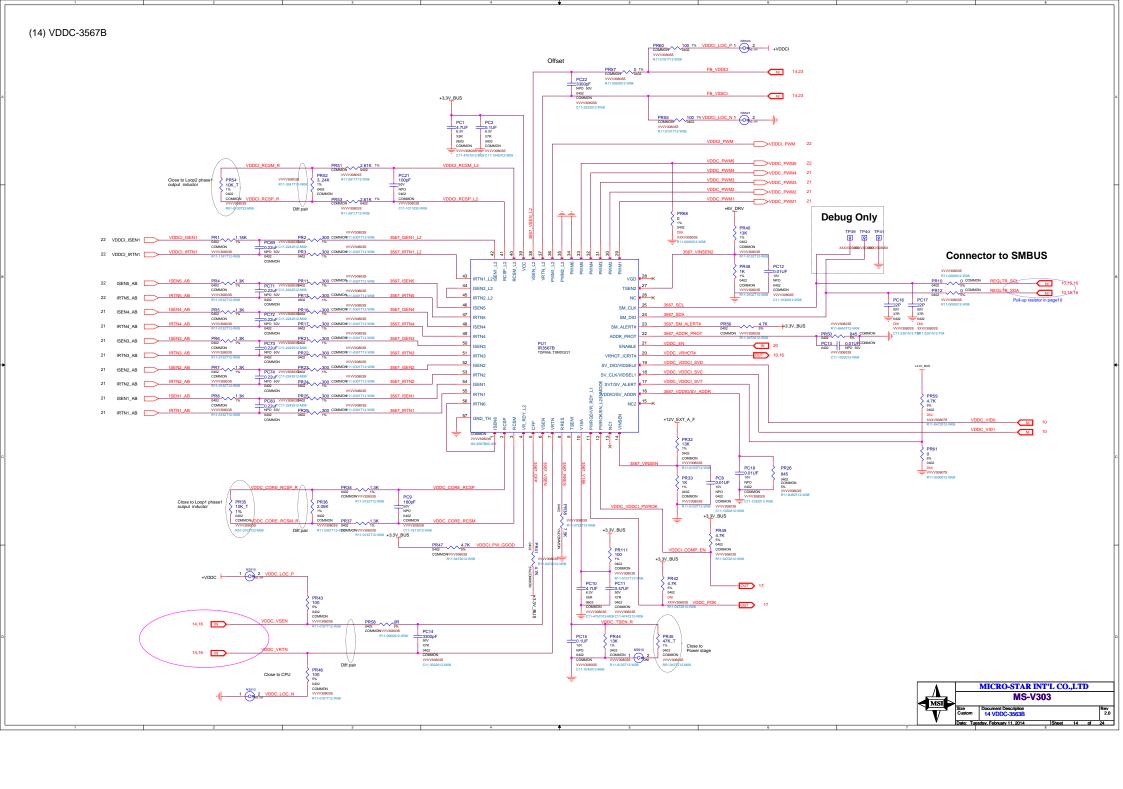


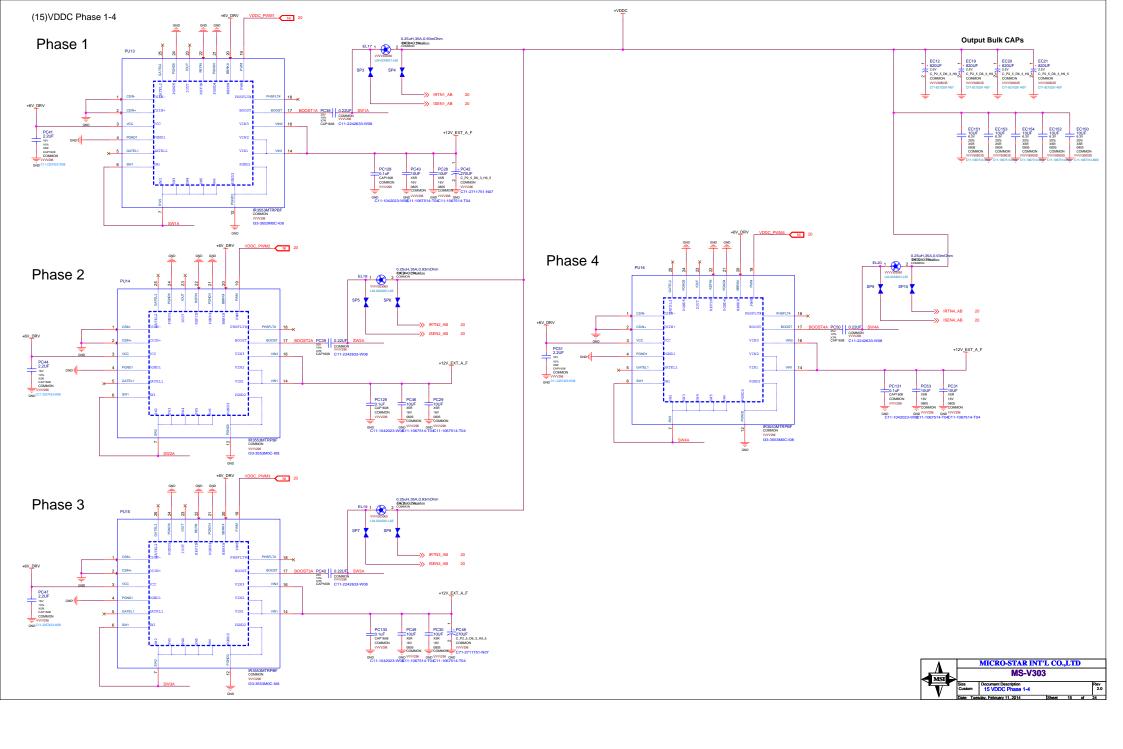


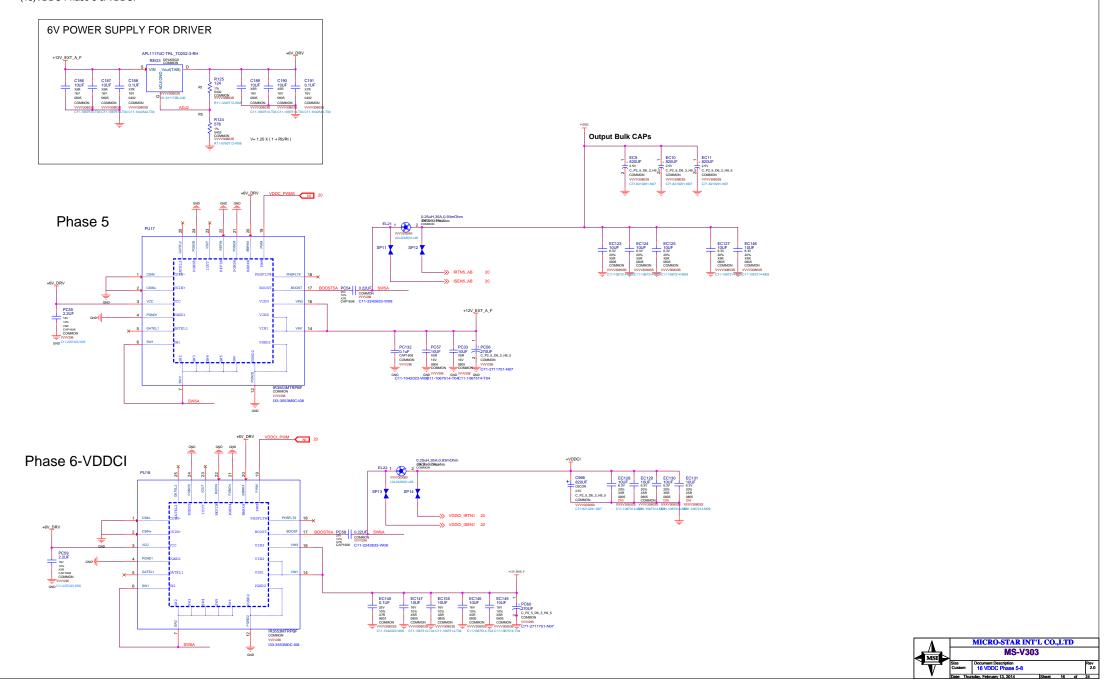


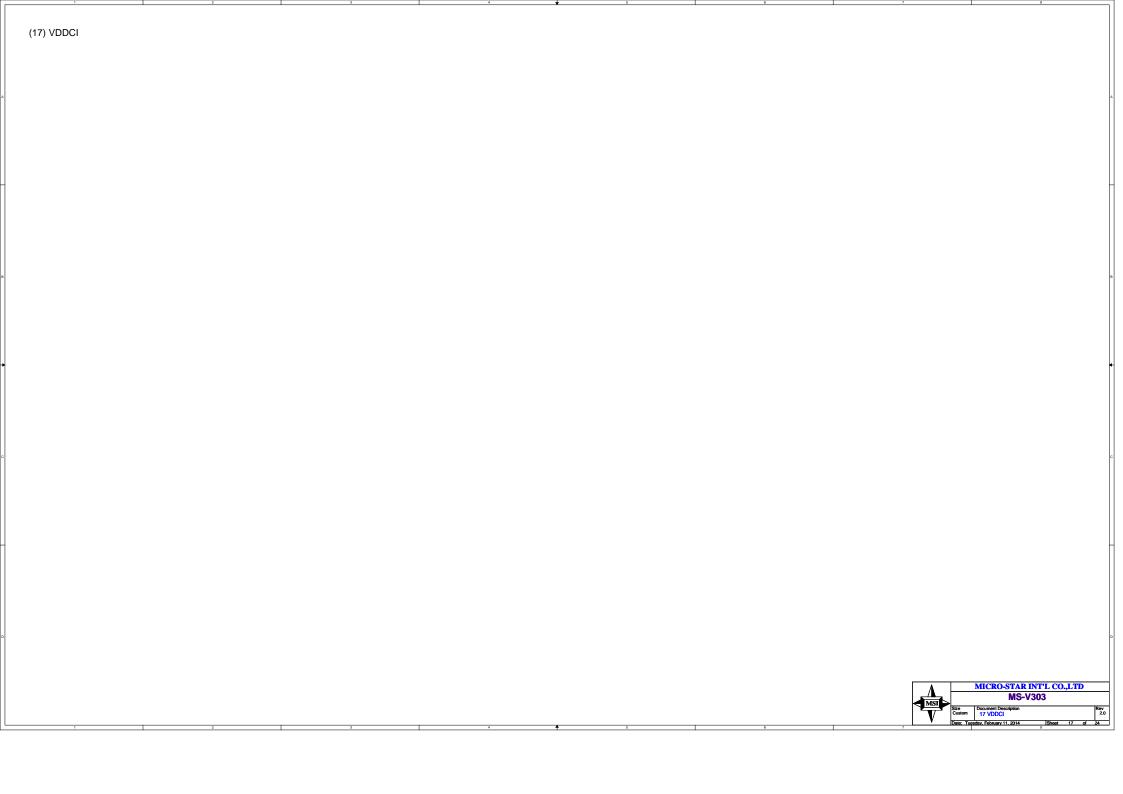
(12) CURACAO POWER AN13 | Uses |
AN14 | Uses |
AN15 | Uses |
AN15 | Uses |
AN16 | Uses |
AN17 | Uses |
AN18 | Uses |
AN19 | Uses |
AN 2005 ftuF 6.3V 2306 ftuF 6.3V Ø214 1 ZayF 4) Ozasa 1 zauf Chas fur sav Same for eav Azza fur sav \$ @ 32 | 1 2uf 4v COMMON C285
#70UF
COMMON
#29%
2.5V
P.OSCAP
3.9A
Bmotm
CAPT7343_1_90H
VVV30060
D71471055 S S Charo flur 63N Part fur say Page fur 631 COMMON COMMON COMMON C284 470UF COMMON +/-20% 2.5V POSCAP 3.9A 9mohm CAPT7343_1 Add POSCAP in GPI I side 2837 ftg 63V 29-01 787 assi 1 zar 4v Charge flue 63% The eavy 2455 fur 63V 2400 fur 63V 2457 fur 63V 2451 fur 63V A to the 63V FB_VDDC AF41 FB_VSSC AG41 MICRO-STAR INT'L CO.,LTD Λ MS-V303 MSI Document Description
12 CURACAO PITCAIRN POWER Rev 2.0



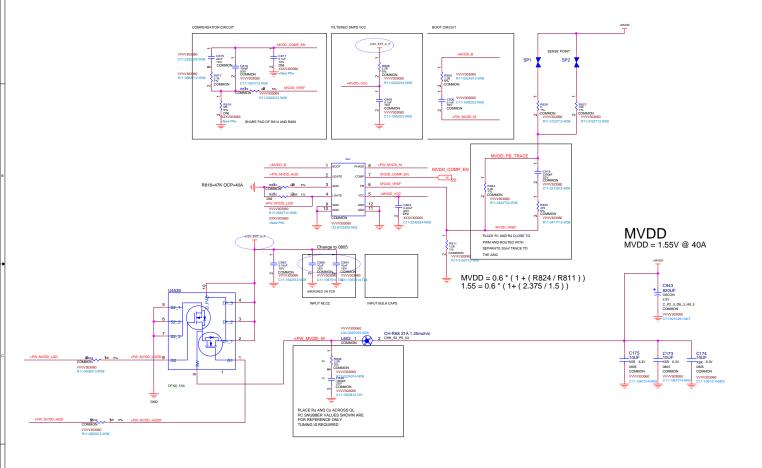








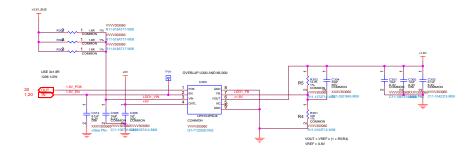
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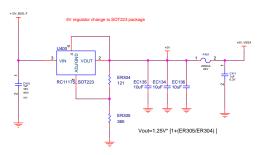


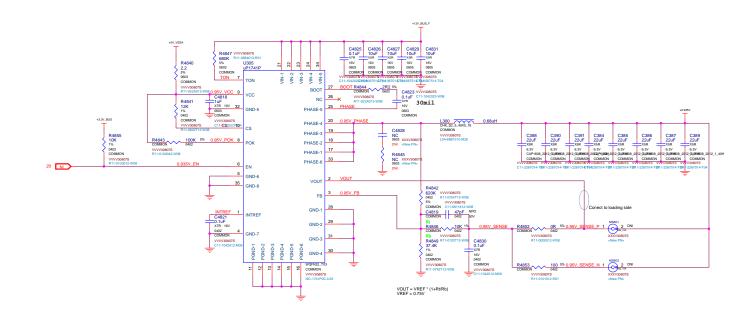
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<	MSI	MS-V303							
		Size Custom	Document Description 18 MVDD				Rev 2.0		
		Date: Thu	rsday, February 13, 2014	Sheet	18	of	24		
7				8					

(18) SMALL RAIL REGULATOR

REGULATOR FOR +5V RAILS
IOUT MAX = 150mA

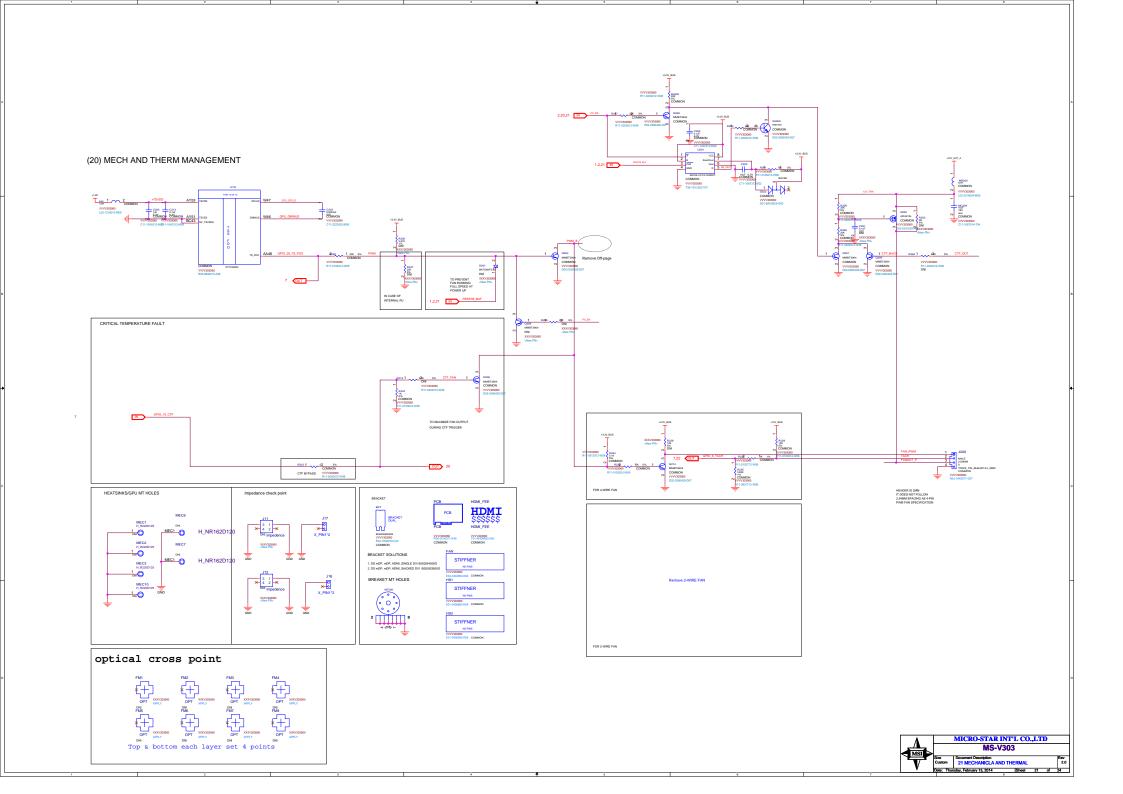


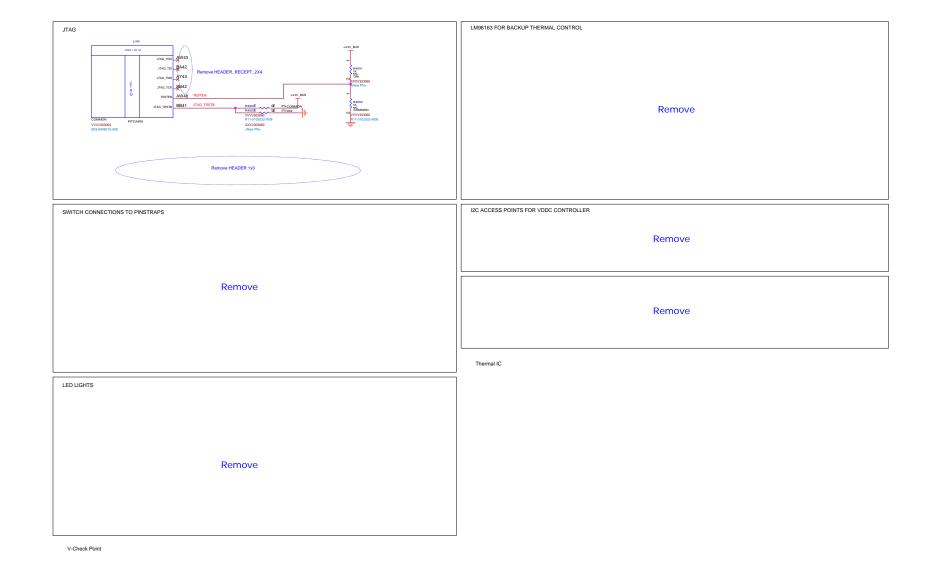




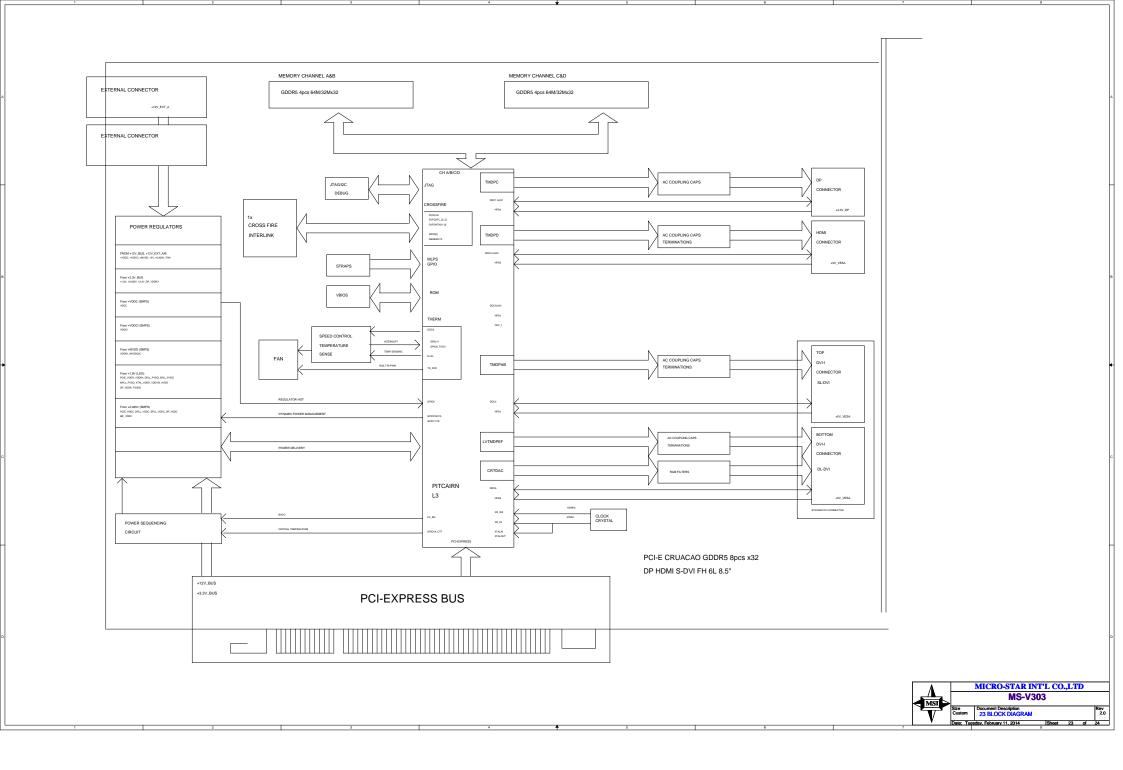


(19) POWER MANAGEMENT BUS 12V AND AUX A POWER UP SEQ BUS 3.3V AND AUX B POWER UP SEQ PLACE ON THE BACK PLACE CLOSE TO ITS CTLR 2 or 5% chlow PN CTF_OUT_B VDDC VOLTAGE CONTROL PLACE ON THE BACK VDDCI VOLTAGE CONTROL +12V_EXT_A INPUT +12V_BUS INPUT MICRO-STAR INT'L CO.,LTD MS-V303









0 00A 12/07/20	2 INITIAL SCHEMATIC BASED ON C400
1 00B 30/10/20	2 add R688,C98,C99
1 00C 25/12/20	2 remove L1720 ~ L1733 remove NC pin for DP_VDDR/DP_VDDC
00D 19/06/20	3 update power sequence to make 0.95V power up before vddc
V303-1.0 01/08/20	
V303-1.1 06/08/20	
V303-2.0 01/23/20	4 Page07: Remove OSC & dual vbios circuit Page09: DPA chahge to mDP DPB chahge to HDMI Page10: DPC chahge to mDP Page11: Change to IR3567, reference V308-2.0 Page15: change MOS, reference V296-1.1 Page16: change MOS, reference V296-1.1 Page18: MVDD reference V303-1.1 VDDCI circuit Page19: remove MU300 & +0.935V used Regulator, +5V change to TO223 Page21: remove CTF Page22: remove DEBUG CIRCUIT MICRO-STAR INT'L CO_LTD MS-V303 MICRO-STAR INT'L CO_LTD MS-V303 MS-V304 MS-V303 MS-V304 MS-V304 MS-V304 MS-V304 MS-V304 MS-V304 MS-V304 MS-V305 MS-V305 MS-V306 MS-V306 MS-V306 MS-V306 MS-V307 MS-V307 MS-V307 MS-V308 MS-V308