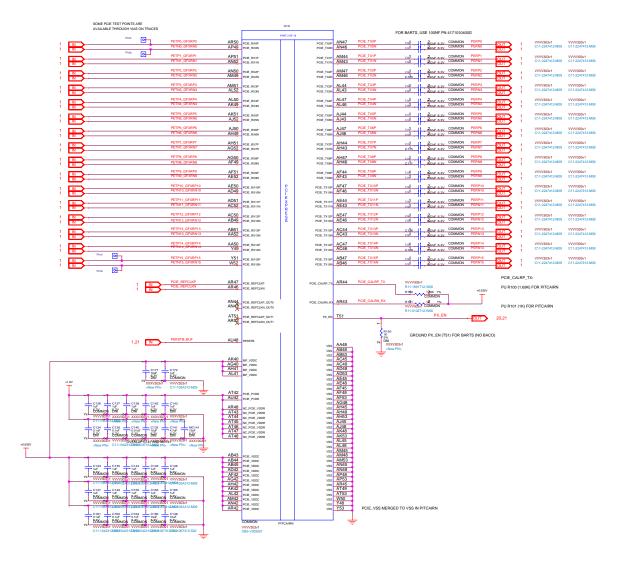
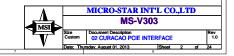
(2) CURACAO PCIE INTERFACE



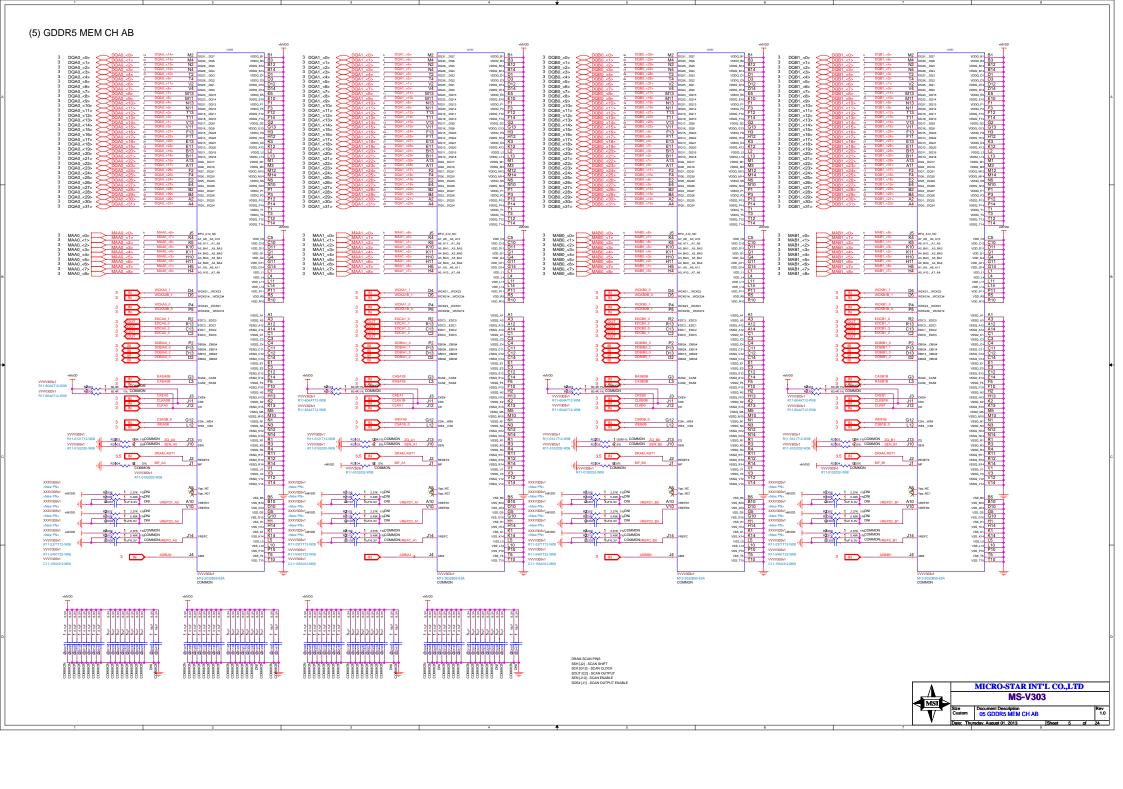


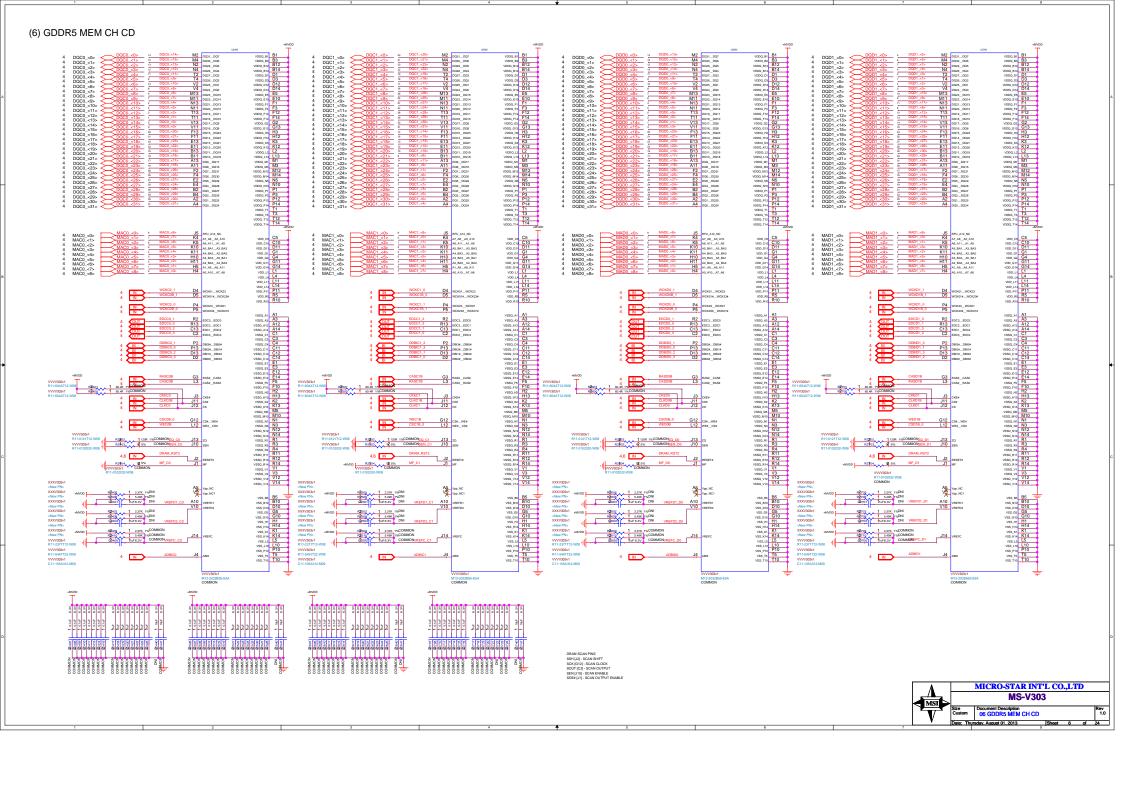
(3) CURACAO MEM INTERFACE CH AB PART 4 OF 18 0081.40 0081.4 5 DOM, 40: 5 D080_c1b 5 D080_c1b 5 D080_c1b 5 D080_c2b 5 D080_c3b 6 D080_c3b MAA1_<0> 5 MAA1_<1> 5 MAA1_<2> 5 MAA1_<2> 5 MAA1_<4> 5 MAA1_<5> 5 MAA1_<5> 5 MAA1_<5> 5 MAA1_<7> 5 MAA1_<8> 5 MAB1_<0> 5 MAB1_<1> 5 MAB1_<2> 5 MAB1_<2> 5 MAB1_<4> 5 MAB1_<5> 5 MAB1_<5> 5 MAB1_<5> 5 MAB1_<5> 5 MAB1_<5> 5 MAB1_<7> 5 MAB1_<7> 5 MAB1_<7> 5 MAB1_<8> 5 5 MAA0_<0> 5 MAA0_<1> 5 MAA0_<2> 5 MAA0_<2> 5 MAA0_<3> 5 MAA0_<4> 5 MAA0_<5> 5 MABO_<0> 5 MABO_<1> 5 MABO_<2> 5 MABO_<2> 5 MABO_<3> 5 MABO_<4> 5 MABO_<5> 5 MABO_<5> 5 MABO_<5> 5 MABO_<5> 5 MABO_<5> 5 MABO_<5> 6 MABO_<5 MA M49 DOBAG_0 R46 DOBAG_1 H49 DOBAG_2 F46 DOBAG_3 ADBIA1 K39 G46 ADMA _{АОВІВ1} Н18 CKEAI G42 CKEA CKEB1 L19 CKEB1 OUT R3602 40.2R 15 1DNI XXXV303v1 <New PNo U42 NC_MEM_CALRPO USE INTERNAL VREF USE INTERNAL VREF U1Z NC_MEM_CALRN Casos Raso. Tool Dill Sol Dill DRAM_RST1 N2ksp 1 49.9R 1% DRAM_RST1_RR VVVV303v1 COMMON R3612 5.1K 1% COMMON VVVV303v1 R11-0512T12

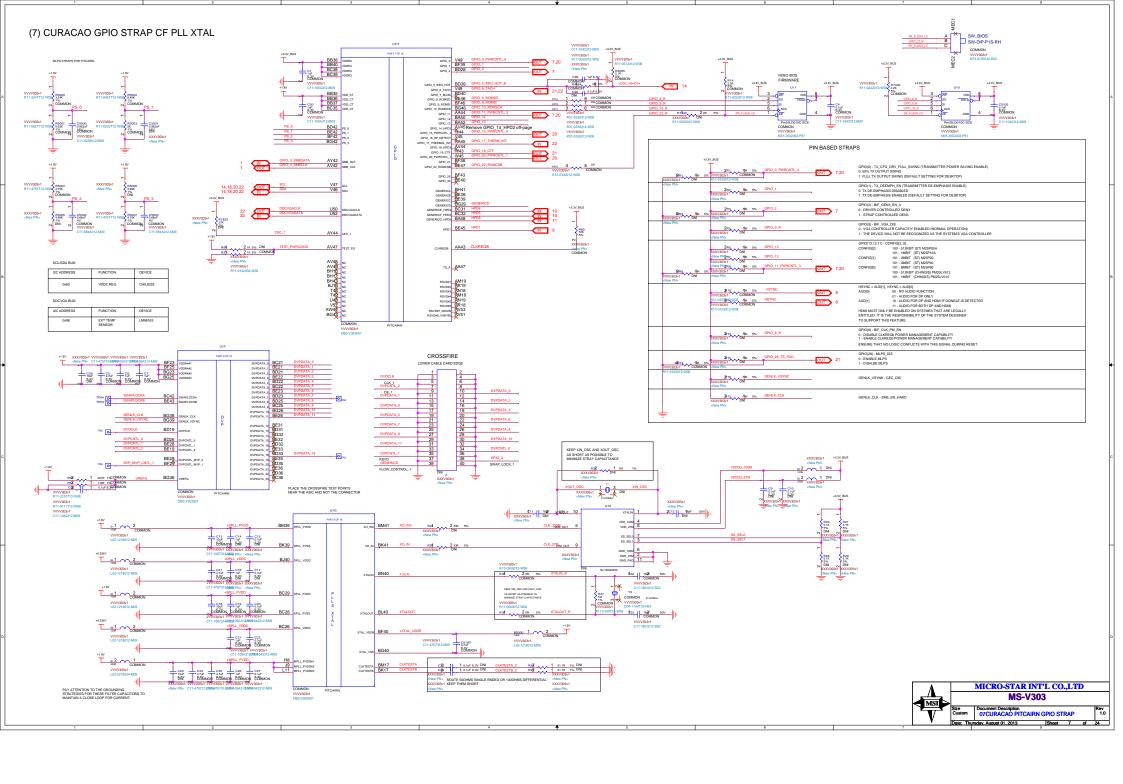


(4) CURACAO MEM INTERFACE CH CD 0000 db AF9 0000 c1 AF9 0000 c1 AF9 0000 c2 AF9 0000 c 6 DOC 45 6 D 6 DODD_45 6 DODD MACI.0 AC12 MAC MACI.1 AC11 MAC MACI.2 AF11 MAC MACI.3 AF12 MAC MACI.4 AH11 MAC MACI.5 AA12 MAC MACI.5 AA12 MAC MACI.6 AA10 MAC MACI.6 AM10 MAC MACI.6 AM10 MAC MAC1_<0> 6 MAC1_<1> 6 MAC1_<1> 6 MAC1_<2> 6 MAC1_<3> 6 MAC1_<4> 6 MAC1_<5> 6 MAC1_<5> 6 MAC1_<5> 6 MAC1_<5> 6 MAC1_<5> 6 MAC1_<7> 6 MAC1_<7> 6 MAD1_c0> 6 MAD1_c1> 6 MAD1_c2> 6 MAD1_c3> 6 MAD1_c4> 6 MAD1_c5> 6 MAD1_c5> 6 MAD1_c5> 6 MAD1_c7> 6 MAD1_c7> 6 MAD1_c8> 6 6 MACD_<0> 6 MACD_<1> 6 MACD_<2> 6 MACD_<2> 6 MACD_<3> 6 MACD_<4> 6 MACD_<6> 6 MACD_<6> 6 MACD_<6> 6 MACD_<7> 6 MACD_<7> 6 MACD_<7> 6 MACD_<8> 6 MADO_<0> 6 MADO_<1> 6 MADO_<2> 6 MADO_<2> 6 MADO_<3> 6 MADO_<4> 6 MADO_<5> 6 MADO_<6> 6 MADO_<6> 6 MADO_<7> 6 MADO_<7> 6 MADO_<7> 6 MADO_<8> AJ8 DOBIDO_0 AU12 DOBIDO_1 AT3 DOBIDO_2 BA4 DOBIDO_3 ADBIC1 AB11 ADBIC1 ADBID1 BF7 AW10 BI CKEC1 AA9 CKEC1 CKED1 BB9 CKED1 OUT 6 R3618 40.39 1% DNI XXXV303v1 <New Phy-R3E19 40.2R 1% DNI XXXV303v1 <New PN> | R362 120R 156 MEM_CALRP2 | VVVV303v1 COMMON | R11-0121T12-W08 BB17 MEM_CALRP2 BA16 1 | R3620 100R 10N DNI XXXXV303v1 -dNew PN-C3611 MVREFSD BA13 6 OUT DRAM_RST2 N2822 1 42.9R 1% DRAM_RST2_RR BC18 R3627 5.1K 1% COMMON VVVV303v1 R11-0512T12

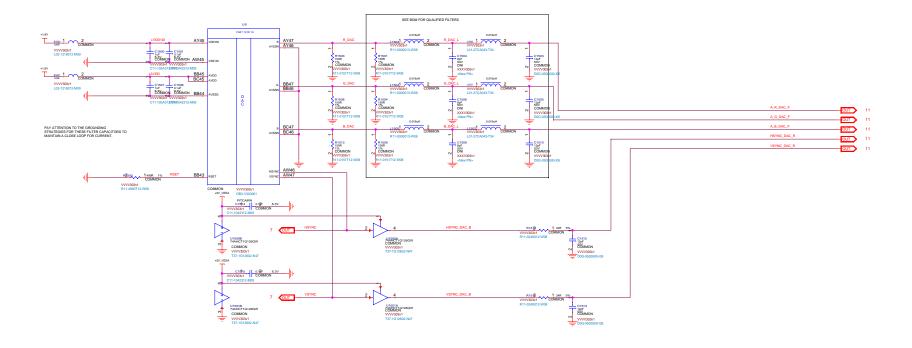








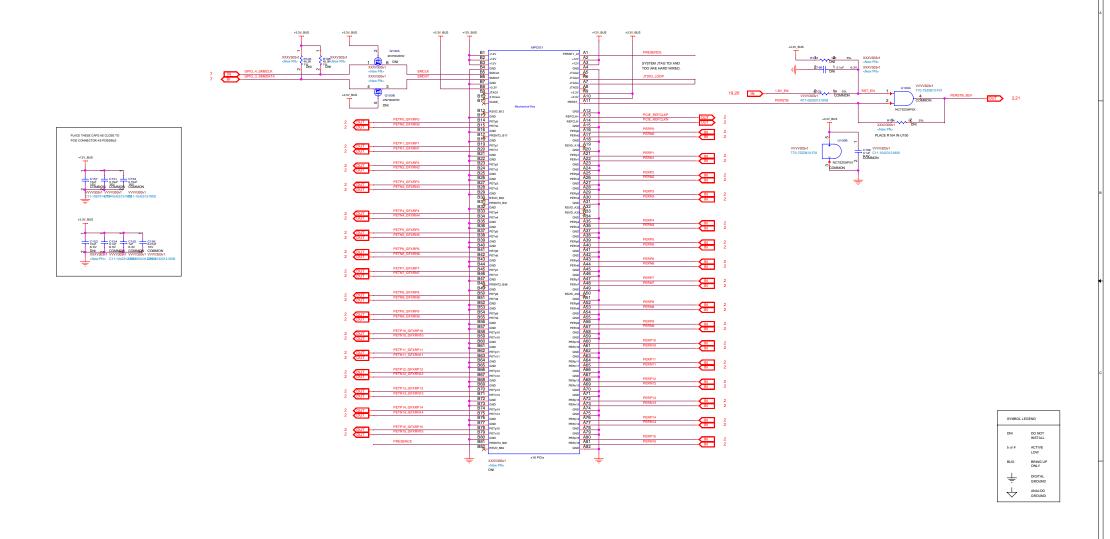
(8) CURACAO DAC



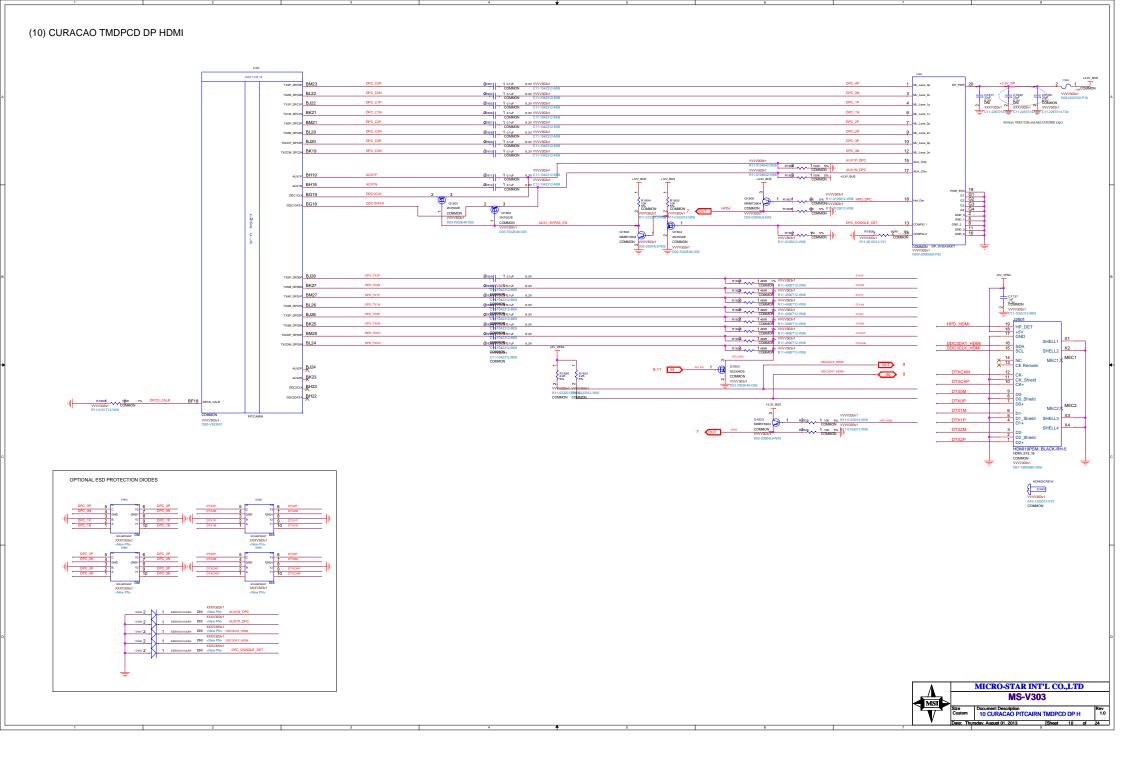
	D1500 2	Л	1	ESDEVSUNU-USLRH	DNI	A_R_DAC_F	
	DISH 2	К	1	ESDEVSUNU-ISLEM	DNI	A_G_DAC_F	
<u>I</u>	DISSE 2	Κ	1	ESCEVSUNU-ISLEM	DNI	A_B_DAC_F	
I	D1505 2	K	1	ESDEVORTB-00LRH	DNI	HSYNC_DAC_R	
	D1506 2	Κ	1	ESDEVOR:B-02LRH	DNI	VSYNC_DAC_R	

	Λ.	MICRO-STAR INT'L CO.,LTD								
	MSI	MS-V303								
	V	Size Custom	Document Description 08 CURACAO PITCA	IRN DAC			Rev 1.0			
		Date: Thu	rsday, August 01, 2013	Sheet	8	of	24			
7				8						

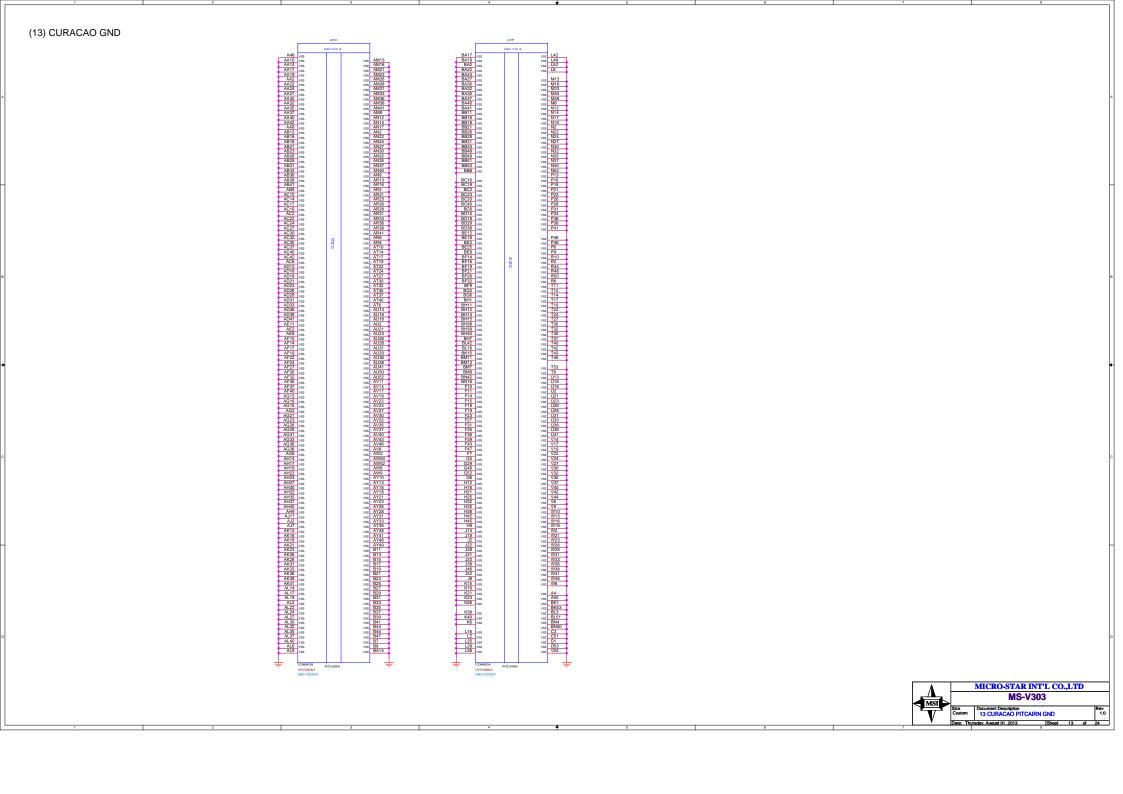
(9) CURACAO TMDPAB sDVI BF33 DP_VDDR BG33 DP_VDDR BH32 DP_VDDR BH33 DP_VDDR BH34 DP_VDDR BH35 DP_VDDR B2 TMDS_Data2+ R1720 499R 1% COMMON R1721 499R 1% COMMON DPA_TX2N B1 TMDS_Data2 TX2M_DPAGN BL32 CITOO CITOI CITOZ CITO BRY BRY BRY BRY C1721 0.1ulf 6.3V COMMON C1740 fulf 105 COMMON VVVV303v1 C11-105252 TX1P_DPA1P BJ32 B10 TMDS_Data1+ C1722 0.1uF 6.3V COMMON R1722 499R 1% COMMON TXIM_DPAIN BK31 B9 TMDS_Date1 R1723 429R 1% COMMON тхор_прадр ВМЗ1 C1724 0.1uF 6.3V COMMON B18 TMDS_Date0+ R1724 499R 1% COMMON TXIM_DPA2N BL30 DPA_TXIN C1725 0.1uf 6.3V COMMON B17 TMDS_Date0-R1725 499R 1% COMMON DPA_TXCP TXCAP_DPA3P BJ30 C1726 0.1uF 6.3V COMMON R1725 429R 1% COMMON B23 TMDS_Clock+ TXCAM_DPAIN BK29 B24 TMDS_Clock C1727 0.1uf 6.3V COMMON R1727 429R 1% COMMON B21 TMDS_DateS R1728 498 1% COMMON B20 TMDS_Dated R1729 429R 1% COMMON R1730 499R 1% COMMON B4 TMDS_Date4 R1731 499R 1% COMMON I DDCCLK_AUXBR BM29 BF28 DP_VDDC BF31 DP_VDDC BG31 DP_VDDC BH26 DP_VDDC BH27 DP_VDDC BH28 DP_VDDC BH29 DP_VDDC B13 TMDS_Date3+ R1732 429R 1% COMMON DDCDATA AUXIN BL28 58Kmon 68Kmon 68Y R1733 429R 1% COMMON BF47 NC_DP_VDDC BF46 NC_DP_VDDC BG40 NC_DP_VDDC BG46 NC_DP_VDDC B7 DDC_Data TXSM_DPBON BK37 DPB_TXSN 11-1042312-M09 C1729 0.tuf 6.3V тхир_првтр ВМЗ7 12-M09 C1730 0.1uF 6.3V TX4M DPBIN BL36 B16 Hot Plug Densi C11-1042312-M09 C1732 0.1uF 6.3V VVVV303v1 COMMON TX3M_DP82N BK35 2-M09 C1733 0.1uF 6.3V COMMON тхсви_пиваи ВМЗ5 TXCBM_DPB3N BL34 DDCCLK_AUXSP DDCDATA_AUXSN BK43 4 1 R1703 10K 5% R1704 10K 5% COMMON | R1700| | 120R | 1% | DPAB_CALR | VVVV303V1 | COMMON | BF36 OPTIONAL ESD PROTECTION DIODES D1701 2 D1792 2 01794 2 1 ESDS/30110-3018H DNI one 2 DITHS 2 1 ESDEVISION-ISSEM DNI Drifts 2 1 ESDEVAUNU-ISLEN DNI MICRO-STAR INT'L CO.,LTD MS-V303 MSI Size Document Description Custom 09 CURACAO PITCAIRN TMDPAB dDVI

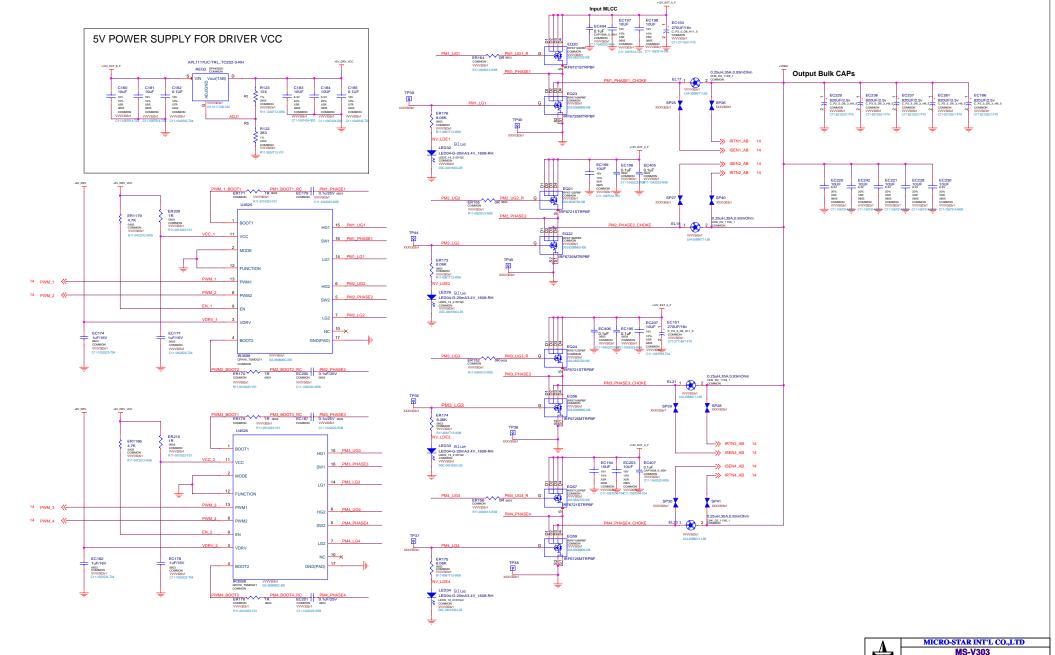




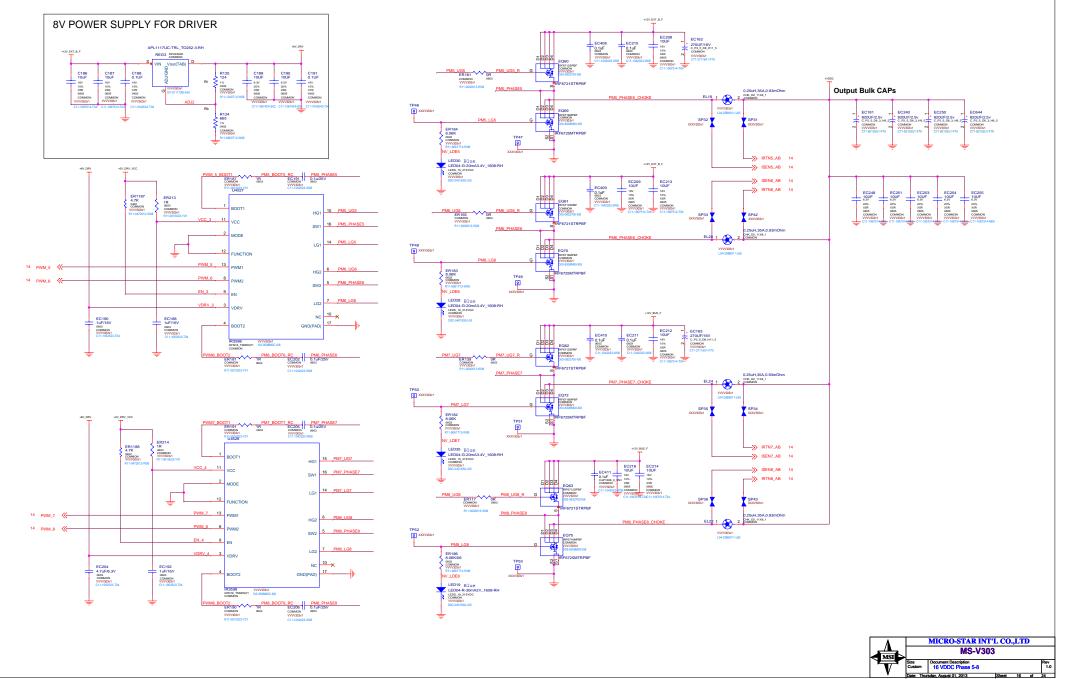


(12) CURACAO POWER AA13 VDDR1
AA6 VDDR1
AB12 VDDR1
AC13 VDDR1
AE6 VDDR1
AJ6 VDDR1
AL13 VDDR1 | Marie | Mari 2005 ftuF 6.3V 2306 ftuF 6.3V Azsta 1 zar 4) Countries 6.3 Ozasa 1 zauf SW/MS Part 1 1 6.3V School for 63v Course for course A course \$ CD 282 1 22 6 4V Chass 1 2uf 4v S S Charlo flur 63N See hu say Chars for 631 Size fur east C284 470UF COMMON 4/-20% 2.5V POSCAP 3.9A 9mohm CAPT7343_1 C285
krour
C0MMON
H-20%
2.5V
POSCAP
3.9A
9mohm
CAPTT3M3_1_80H
VVVV309/1
C71-471022E-S03 Siza fue Add POSCAP in GPI I side Chape fur eav 20-457 flue 6.3V 20 338 fur 6.3V 28-63 ftur 6.3V 2837 ftg 63V 20 The 63V 2331 for 63V 8411 1 25 AV 2003 A Charge flue 63% The eavy A March 63v 2455 ful 63V G495 fur 63V 2457 fur 63V 2451 fur 63V A to the 63V OUT 17 FB_VDDC AF41 FB_VSSC AG41 MICRO-STAR INT'L CO.,LTD Λ MS-V303 MSI Document Description
12 CURACAO PITCAIRN POWER Rev 1.0

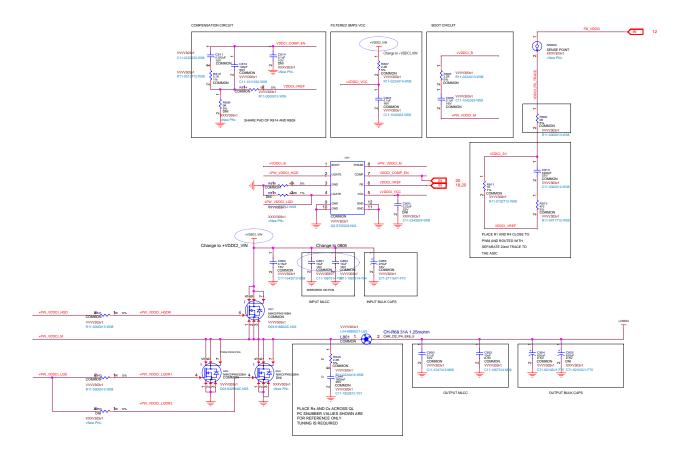




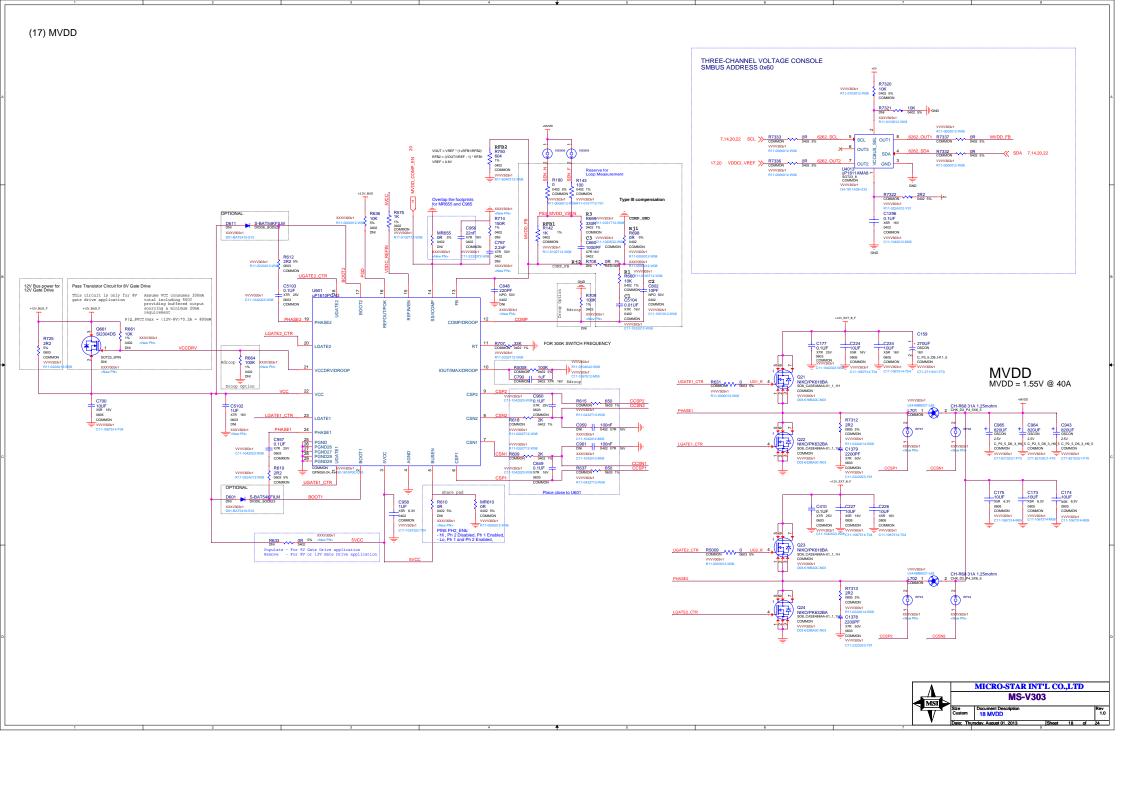
Document Description 15 VDDC Phase 1-4 day, August 01, 2013



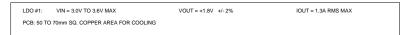
(16) VDDCI

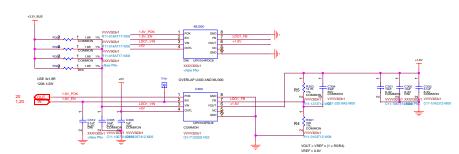






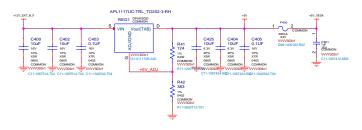
(18) SMALL RAIL REGULATOR

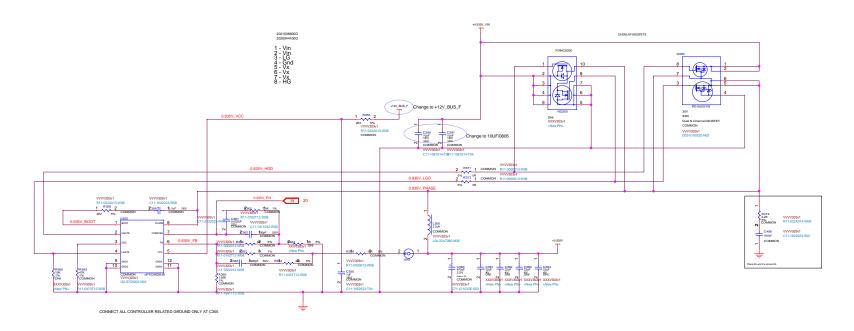




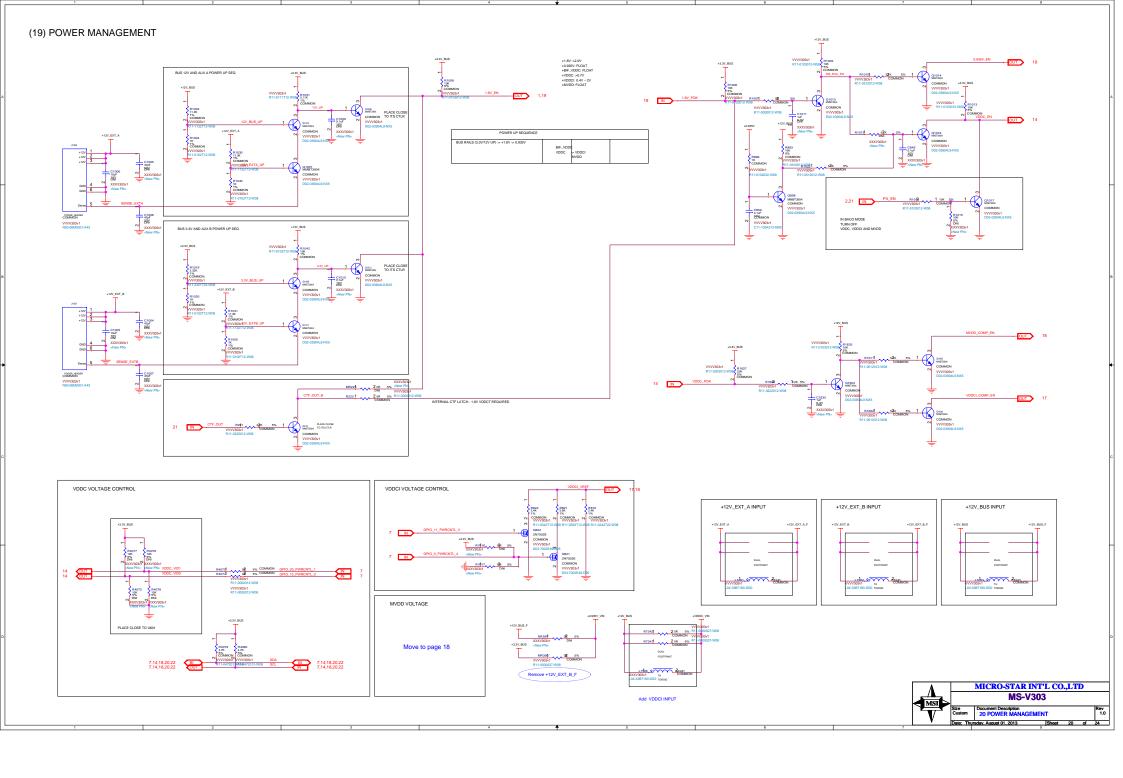
REGULATOR FOR +5V RAILS

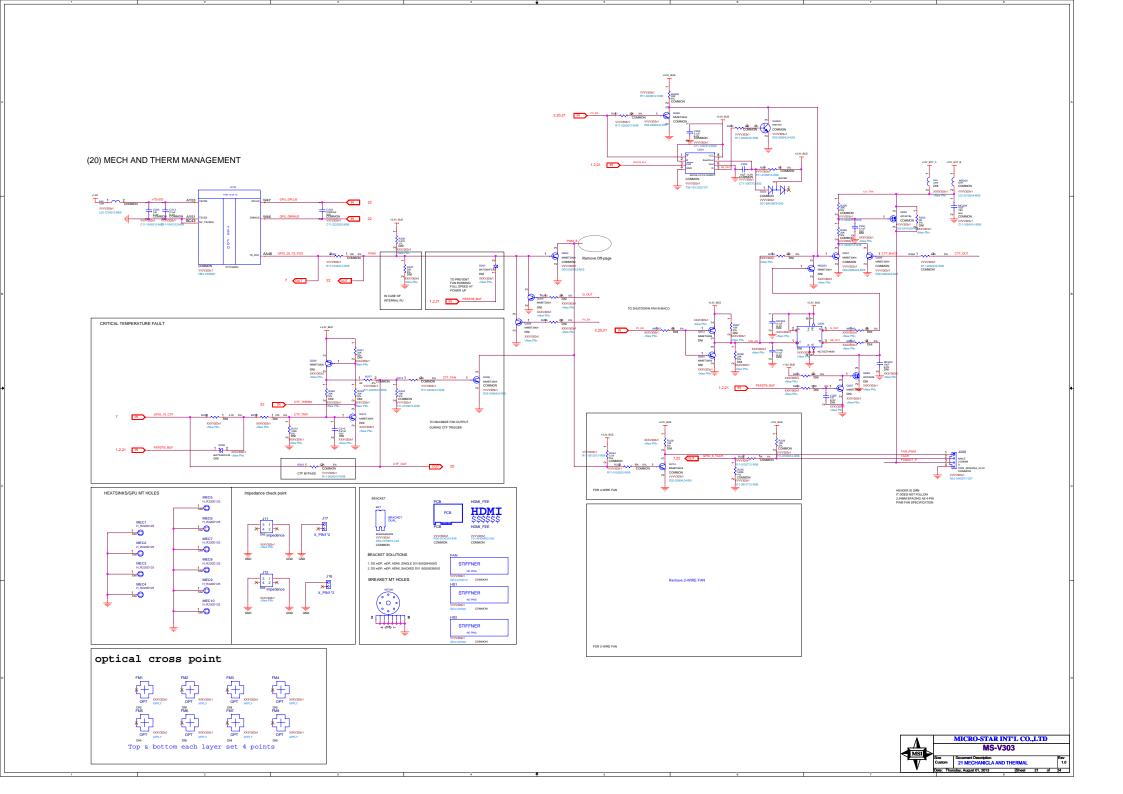
IOUT MAX = 150mA



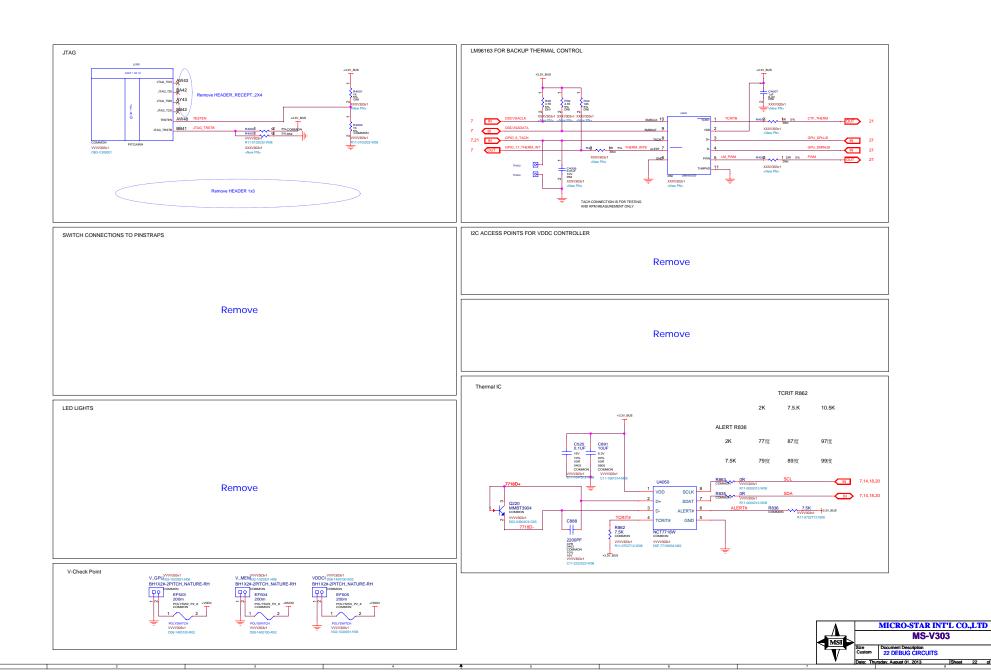


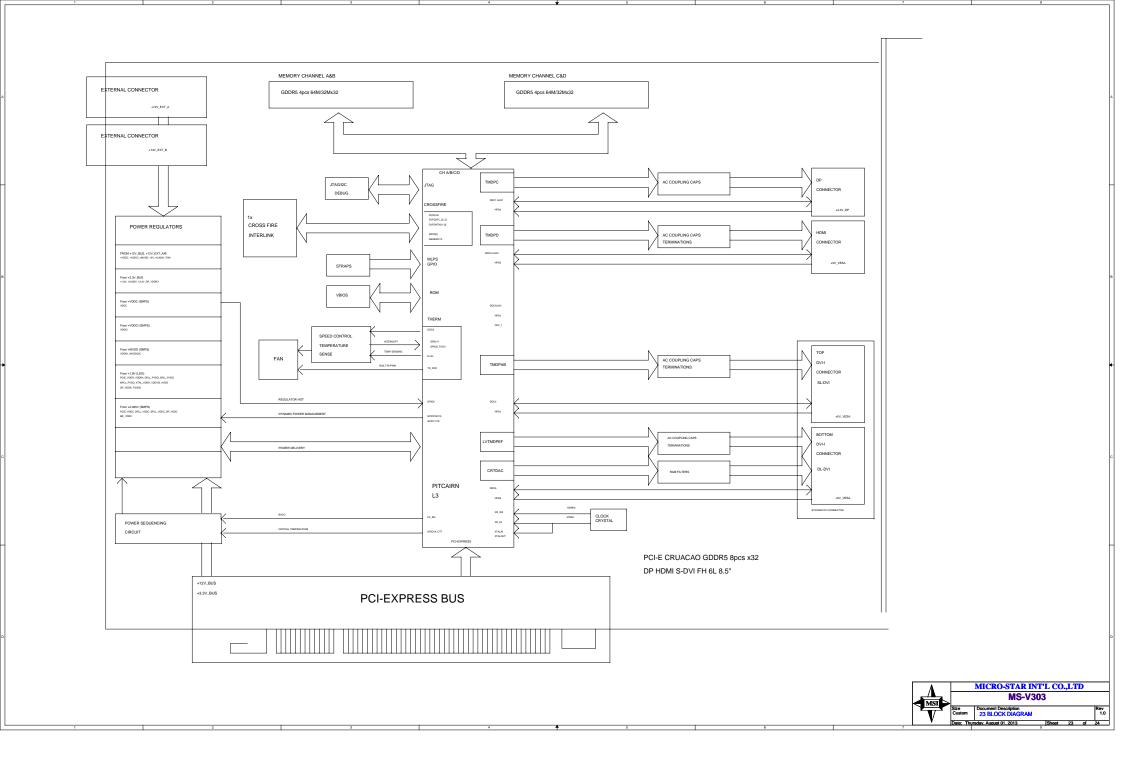






(21) DEBUG CIRCUIT





A	0	00A	12/07/2012	INITIAL SCHEMATIC BASED ON C400				
	1	00B	30/10/2012	add R688,C98,C99				
	1	00C	25/12/2012	remove L1720 ~ L1733				
				remove NC pin for DP_VDDR/DP_VDDC				
		00D	19/06/2013	update power sequence to make 0.95V power up before vddc				
1		V303-1.0	01/08/2013	Page07: Remove GPIO_14_HPD2 off-page				
				Add Dual-BIOS & Switch				
				Page10 : Change J2501 footprint and Library				
				Page11: Add optional ESD Protection DIODES				
		Page12: Add C284/C285 (POSCAP)						
				Remove some 1UF/0402 of VDDC				
в				Page14: Change VDDC controller to 8228G				
				Page15: Add Driver IR3598 circuit				
				Page16: Add Driver IR3598 circuit				
				Page17: Change L801 footprint				
				Change VDDCI_VIN				
				Page18: Page14: Change MVDD controller to uP1610PQAG				
				Page19: Change +5V circuit				
				Change 0.935V_VCC to +12V_BUS_F				
				Page20: Add R7341/R7342/L1506				
				Del R1090~R1095				
				Page21: Remove 2-wire FAN circuit				
				Page22: Remove JTAG pin header				
				Remove SWITCH CONNECTIONS TO PINSTRAPS				
٥				Remove LED LIGHTS				
				Remove I2C ACCESS POINTS FOR VDDC CONTROLLER				
				Add V-Check Point and Thermal IC				

