V191-31

P684-A01 GT216 DESKTOP Low Profile PCI-EXPRESSx16 DL-DVI HDMI VGA DDR3

Page 1: P684-A01 OVERVIEW

Page 2: PCI-EXPRESS INTERFACE

Page 3: PARTITION A FRAME BUFFER INTERFACE

Page 4: PARTITION A MEMORIES

Page 5: FBA DECOUPLING CAPS & NVVDD DECOUPLING CAPS

Page 6: PARTITION C FRAME BUFFER INTERFACE

Page 7: PARTITION C MEMORIES

Page 8: FBC DECOUPLING CAPS

Page 9: DACA (SOUTH DVI-I)

Page 10: DACB (cable up VGA)

Page 11: IFP AB (SOUTH DVI-I)

Page 12: IFP C (NORTH HDMI)

Page 13: IFP D (UNUSED

Page 14: IFP EF (UNUSED)

Page 15: MIOA & MIOB

Page 16: XTAL, MECHANICALS, THERMALS

Page 17: FAN CONTROL, GPIO, JTAG

Page 18: BIOS ROM, HDCP ROM, STRAPPING OPTIONS

Page 19: LINEAR POWER SUPPLIES

Page 20: FBVDDQ/PEXVDD POWER SUPPLY

Page 21: NVVDD POWER SUPPLY

V191 0A pcb change list

Page 2: Add EC1802 for 12V input

Page 9: Move ESD part to I/O input and change ESD parts footprint

Page 10: Move ESD part to I/O input and change ESD parts footprint and change DACB DSUB Header

Page 11: Move ESD part to hotplug input and change ESD parts footprint and Add EMI solution

Page 12: Move ESD part to hotplug input and change ESD parts footprint and Add EMI solution

Page 16: Add Fly_cable / MC1 HDMI screw / PCB and change EMI Spring footprint

Page 17: Remove J6 JTAG

Page 18: Add HAD_RST* pull down Resistor

Page 19: Change 5V solution to SOT223 LDO and remove U3 reserve and add C52 for 3V3 and C138 for IFP_PLLVDD

Page 20 : Change FBVDDQ to UP6101 and PEX_VDD to UP7706 solution

Page 21: Change NVVDD to UP6101 solution and add impedance test header

V191 30 pcb change list

Page 9: Add Capacitor on ESD part for RGB

Page 10: Remove Flycable function

Page 11: Move hotplug input ESD part locate to same as P684

Page 12: Move hotplug input ESD part locate to same as P684

Page 18: Remove HDCP and Biosinfo ROM

Page 21: change EC321,EC323 footprint size to 6.3x9

V191 31 pcb change list

Page 5: Add Capacitor C649 C684 for NVVDD

Page 16: Change EM1 EM2 EM3 footprint for EMI

Page 17: Since J5 footprint issue, Revise J5 pin define to same as P684

Page 21: Change EL21 footprint

1	VARIANT	NVPN	ASSEMBLY					
	B BASE	600-10684-base-100	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL					
	1 SKU0000	600-10684-0000-100	GT216-350 600/1500MHz 1024MB 64Mx16 BGA100 800MHz DDR3 DVI-I/DP/HDMI/VGA					
	2 <undefined></undefined>	<undefined></undefined>	<undefined></undefined>					
	3 <undefined></undefined>	<undefined></undefined>	<undefined></undefined>					
	4 <undefined></undefined>	<undefined></undefined>	<undefined></undefined>					
	5 <undefined></undefined>	<undefined></undefined>	<undefined></undefined>					
	6 <undefined></undefined>	<undefined></undefined>	<undefined></undefined>					
	7 <undefined></undefined>	<undefined></undefined>	<undefined></undefined>					
	8 <undefined></undefined>	<undefined></undefined>	<undefined></undefined>					
	9 <undefined></undefined>	<undefined></undefined>	<undefined></undefined>					
1	<under line="" line<="" th=""><th><undefined></undefined></th><th><undefined></undefined></th></under>	<undefined></undefined>	<undefined></undefined>					
1	<under <un<="" <under="" th="" =""><th><undefined></undefined></th><th><undefined></undefined></th></under>	<undefined></undefined>	<undefined></undefined>					
1	<undersized></undersized>	<undefined></undefined>	<undefined></undefined>					
1	3 <undefined></undefined>	<undefined></undefined>	<undefined></undefined>					
1	<under th="" <=""><th><undefined></undefined></th><th><undefined></undefined></th></under>	<undefined></undefined>	<undefined></undefined>					
1	<undersident contro<="" control="" land="" th="" =""><th><undefined></undefined></th><th><undefined></undefined></th></undersident>	<undefined></undefined>	<undefined></undefined>					
-1	1	1						

NVIDIA CORPORATION

			Z701 SAN TOMAS EXPRESSWAY SANTA CLARA, CA 95050, USA					
	ASSEMBLY BA	SE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AN						
	PAGE DETAIL P6	4-A01 OVERVIEW	NV_PN	600-10684-base-100 C				
ALS MAY								
SSLY DISCLAIMS ALL							PAGE	
TRY STANDA	RDS.		NAME		DATE	13-FEB-2009		
	n	F F		a a	н			







































