G94-P545-A01 - GDDR3, DVI/VGA + DVI/VGA + HDTV/SDTV-Out

20	au	VARIANT	NVPN	ASSEMBLY
Н	В	BASE	600-10545-base-100	P545 BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL
	1	SKU9100	600-10545-9100-100	G94-400 650MHz/1000MHz 512MB 16Mx32 BGA136 GDDR3, DVI-I-DL+DVI-I-DL+HDTV-Out (Bring Up SKU)
	2	SKU0000	600-10545-0000-100	G94-400 650MHz/1000MHz 512MB 16Mx32 BGA136 GDDR3, DVI-I-DL+DDVI-I-DL+HDTV-Out
	3	SKU0010	600-10545-0010-100	G94:300 500MHz/800MHz 512MB 16Mx32 BGA136 GDDR3, DVI-I-DL+DVI-I-DL+HDTV-Out
	4	SKU0020	600-10545-0020-100	G94:200 500MHz/800MHz 384MB 16Mx32 BGA136 GDDR3, DVI-I-DL+PIDTV-Out
	5	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
	6	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
	7	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
	8	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
	9	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
1	0	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
	1	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
1	2	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
1	3	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
1		<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
1	5	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»
_	_		l	

Table of Contents:

Page 1: Overview

Page 2: PCI Express

Page 3: MEMORY: GPU Partition A/B Page 4: MEMORY: GPU Partition C/D

Page 5: FBA Partition

Page 6: FBA Partition Decoupling

Page 7: FBB Partition

Page 8: FBB Partion Decoupling

Page 9: FBC Partition

Page 10: FBC Partition Decoupling

Page 11: FBD Partition

Page 12: FBD Partition Decoupling

Page 13: FB Net Properties Page 14: DACA Interface

Page 15: DACC Interface

Page 16: IFP A/B Interface -- DVI Connector South

Page 17: IFP C/D Interface -- DVI Connector MID Page 18: IFP E/F Interface -- Unused

Page 19: DACB and HDTV/SDTV-Out

Page 20: MIO A/B Interface

Page 21: MISC: GPIO, I2C, ROM, HDCP, and XTAL

Page 22: Strap Configuration

Page 23: PWR and GND Signals Page 24: NVVDD and FBVDDQ Decoupling

Page 25: SPDIF Input, Backdrive Protection, and IFP_IOVDD Power Supply

Page 26: PS I: 3V3, 12V, and 12V EXT Power Supply Filter

Page 27: PS II: PEX_VDD, IFP_PLLVDD, 2V5, 5V, and DDC_5V Power Supply

Page 28: PS III: FBVDDQ Power Supply Page 29: PS IV: NVVDD VID Control

Page 30: PS V: NVVDD Power Supply

Page 31: Thermal Diode and Fan Control

Page 32: Thermal, Mechanical, and Bracket

V127-0A Base on P545

1.PAGE18: ADD Display port circuit

2.PAGE21: ADD GPIO circuit

3.PAGE 21: change SPDIF circuit

4.PAGE 27: remove PEX VDD power switch circuit

5.PAGE 27: remove IFP_PLLVDD/2V5 power switch circuit cahnge APL5713 and APL5910 circuit

6.PAGE 28: remove FBVDDQ power switch circuit change APW7067N power circuit

7.PAGE 29: remove NVVDD VID circuit

8.PAGE 30: change NNVDD POWER APW7088 circuit

9.PAGE 16/17: ADD EMI bridge R

10.PAGE 17 CO-LAYOUT HDIM CONNECT

11.PAGE 15 remove J2 D SUB SLIM CONNECT

12.PAGE 29 ADD CH7322 circuit

V127-20 Base on V127-0A

1.PAGE30 .CO-LAYOUT RT9258 circuit

V127-40 Base on V127-20

1.PAGE34 .Add Hybrid Power circuit modify form P393 and Hybrid APP note

2.PAGE20 .Remove SLi circuit

3.PAGE19 .Add Scart circuit and remove HDTV-7

4.PAGE17 .TMDS C/D Revise to HDMI short connector and remove DVI connector,

And Change HDMI to I2CD bus

5.PAGE32 .Add FAN seat for Heatsink solution

6.PAGE25&2 .Reserve MB support SPDIF IN circuit

7.PAGE29 .Remove U508 CEC circuit

8.PAGE16 .Add EMI diff sulotion

9.PAGE17 .Add EMI diff sulotion

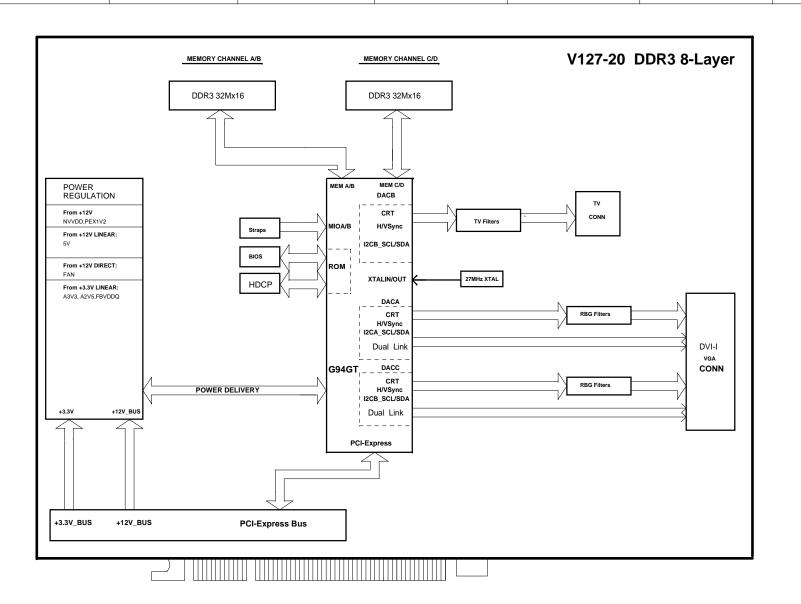
10.PAGE17 .Add EMI suggestion C16 for 3V3 F to GND

11.PAGE32 .Add EMI suggestion EM1~EM6 Spring part

Micro-Star International Co., LTD. Iumber MS-V127

ALL MYGIA DESIGN SPECIFICATIONS, REFERENCE SPECIFICATIONS, REFERENCE BOARDS, FLES, DRAWINGS, DIAGNOSTICS, LISTS AND OTHER DOCUMENTS OR INFORMATION (TOGETHER AND SEPARATELY, MATERIALS) ARE BEING PROVIDED AS IS: THE MATERIALS DIAGNOSTICS, LISTS AND OTHER DOCUMENTS OR INFORMATION (TOGETHER AND SEPARATELY, MATERIALS) ARE BEING PROVIDED AS IS: THE MATERIALS OF OTHER DIAGNOSTICS, LISTS AND OTHER DOCUMENTS, EVEN SEPERATED, AND ADMINISTRATION OF THE MATERIALS OF OTHER DIAGNOSTICS, DIAGNOSTICS, DIAGNOSTICS, AND ADMINISTRATION OF THE MATERIALS OF OTHER DIAGNOSTICS, DI

Page 15: cedt here to insert page detail-



Micro-Star International Co., LTD.

