C116-B, NV18B/NV31/NV34, 8MX16DDR, 64MB, VIDEO OUT, VGA

Page Overview

1 C116B PAGE OVERVIEW

2 NV18B AGP Section and AGP connector

3 NV18B FRAME BUFFER Interface

4 MEMORY 64MB, 8Mx16DDR Bits 0..31

5 MEMORY 64MB, 8Mx16DDR Bits 32.,63

6 NV18B STRAPPING, I/O Interface & BIOS, FAN CONNECTOR

7 NV18B DACA, DACB output, SYNC amplifier & PLL Section

8 PRIMARY DISPLAY Filter and Connector

9 NV18 TMDS Power, VIDEO OUT CONNECTOR

10 POWER SUPPLY & A3V3 & FBVDDQ & NVVDD & FBVDD

11 MECHANICS

HISTORY:

0B

INITIAL VERSION

1. Change the 11 pcs component footprint of SOT23 to 1P226

2. Check the P/N & footprint for C1362.

Check the signal quality for Address/Command with long stub length.

4. Change memory P/N to Samsung M12-K4D26K2-S02.

5. Change FBVDD power from 3V3 to FBVDDQ for Samsung M12-K4D26K2-S02 part.

6. Change PCB P/N.

7. Change Bracket P/N.

8. Enhance thermal PAD for Q3.

9. Enhance power channel for NVVDD in layer 2.

10. Check the signal quality for net AGPST1.

11. Check EMI solution.

12. Check if L2 & C1098 mount or not.

13. Add Composite connector & relative component.

14. C1339, C1333, C1338 default not mount.

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