## C116, NV18, 8MX16DDR, 128MB, Video IN/OUT, DVI-I, VGA Page Overview HISTORY:

A00 1 18P112 OVERVIEW

2 NV18 AGP Section and AGP connector

3 NV18 FRAMEBUFFER Interface 4 MEMORY 128MB, 8Mx16DDR Bits 0..31

5 MEMORY 128MB, 8Mx16DDR Bits 32..63

6 MEMORY 128MB, 8Mx16DDR Bits 64..95

7 MEMORY 128MB, 8Mx16DDR Bits 96..127

8 NV18 STRAPPING, I/O Interface

BIOS, FAN CONTROL, THERMAL SENSOR

9 NV18 DACA, DACB output, SYNC amplifier

PLL Section

10 DACB MULTIPLEXER

11 PRIMARY DISPLAY Filter and Connector

12 SECONDARY DISPLAY Filter and Connector

13 NV18 INTERNAL TMDS Power and Output

14 VIDEO CAPTURE Philips 7114 I/O

15 VIDEO IN/OUT, Filter and Connector

16 POWER SUPPLY

NVVDD, MEM VDD, A3V3, TMDS3V3, TMDSPLL

17 MECHANICS, and FBVDD

INITIAL VERSION

X01 Remove R117, C87, C131, C143 for CKE

Change C736, C743 to 18pf capacitors.

Remove C1099 - additional Capacitor for AGPVREFcq

Changed AGPVREFcg circuit.

## C116 Base on P112 to Modify.

1. Change page 4~7 & page 18 Reference.

2. Change J1 foot print from silm type to stand D-SUB.

3. Remove I1394 function.

4.Page 2, change voltage C75.1 & Q2.E from 3V3 to A3V3.

5. Page 8, Add Twin Bios for MSI function.

6.Page 16 ,replace INTERNAL VIDEO CAPTURE CONNECTOR.

7.Page 17 ,ADD C874 & C1098 ALE CAP. (DUAL-LAY)

8.Page 18 , Add H/W Monitor founction for MSI .

9.Page 2 change Q508, Q509 footprint from SOT23 to SOT-6 U200 package.

600-10116-000X-A00

Micro-Star International Co., LTD. MS-8893 base on C116 Modify TOP PAGE

































