

17" COLOR DISPLAY UNIT CDU1782MS/SA01 (DSM 50-171)

This display unit is manufactured by **SALCOMP** and is identified as **DSM 50-171** on the front and rear of its case, and in the Progetto di Gestione. This unit is also identified as **CDU 1782MS/SA01** on the homologation plate, also on the rear of its case.

The characteristics, disassembly procedures and adjustments for this display unit are practically the same as those described in Chapter 26 for the **CDU 1782MS (DSM 28-171 HR)** display unit. The only difference is that the DSM 50-171 display unit offers the DDC-1/2B feature. DDC-1/2B (Display Data Channel) è is a data exchange method by which the display unit automatically sends data on its own characteristics (such as the supported video modes and relative timings) to the Personal Computer. During this data exchange the Personal Computer identifies a 128-byte file containing the data that is present in the EEPROM of the display unit's DDC-1/2B board. The DDC-1/2B feature activates some of the free pins of the VGA signals connector.

VIDEO SIGNALS CONNECTOR

- | | |
|----|-----------------------------------|
| 1 | Red video input |
| 2 | Green video input |
| 3 | Blue video input |
| 4 | Identify output, connected to GND |
| 5 | GND |
| 6 | Red video ground |
| 7 | Green video ground |
| 8 | Blue video ground |
| 9 | Not present |
| 10 | Logic ground |
| 11 | Identify output, connected to GND |
| 12 | SDA (Serial Data) |
| 13 | Horizontal sync |
| 14 | Vertical sync |
| 15 | SCL (Serial Clock) |

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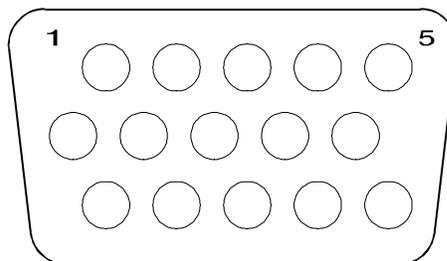


Fig. 43-1 Video Signals Connector

REMOVING THE DDC-1/2B BOARD

The disassembly procedures for the CDU 1782MS/SA01 (DSM 50-171) display unit are practically the same as those described in Chapter 26 for the CDU 1782MS (DSM 28-171/HR) display unit. The only difference consists of the presence of the DDC-1/2B board. To remove this board, disconnect the cables from connectors Q1 and Q2 and then extract the board from its support pin.

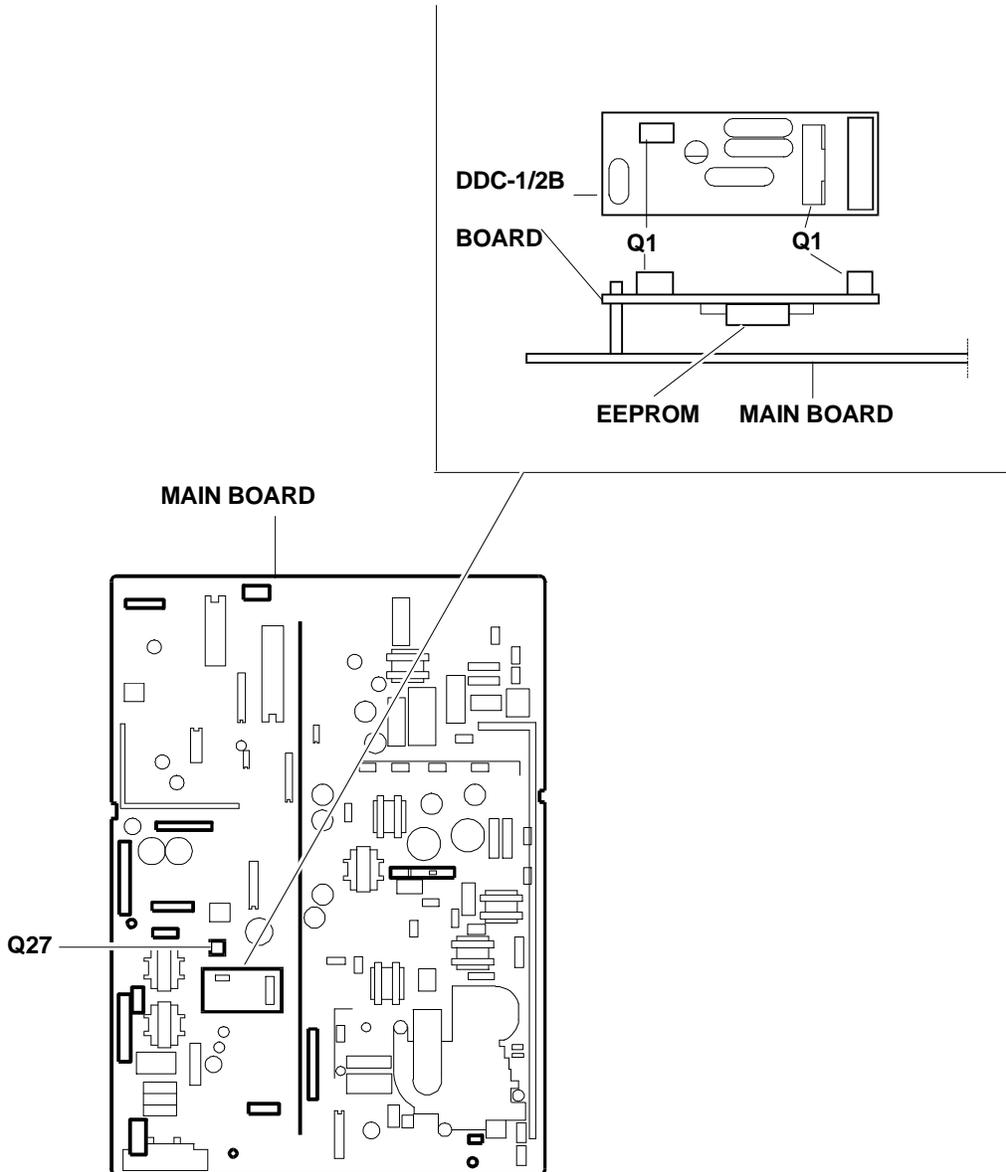


Fig. 43-2 Removing the DDC-1/2B Board

