

## 20" COLOUR DISPLAY UNIT CDU 2082/FI03

Manufactured by **FIMI**, this monitor is identified as **DSM 50-201** on the front and rear of the case and in the Progetto di Gestione; the homologation label on the rear of the monitor bears the writing **CDU 2082/FI03**.

The characteristics, disassembly and adjustment procedures for this monitor are nearly the same as those explained in **Chapter 27** for the **CDU 2082/FI02 (DSM 28-201HR)** display unit. The only difference is that the CDU 2082/FI03 offers the DDC feature which is made available through an EEPROM chip installed on the board which hosts the VGA signals connector. The Display Data Channel (DDC) feature is a data exchange procedure by which the monitor automatically sends its own characteristics to the Personal Computer (such as the supported video mode and the corresponding timings). This operation consists of the Personal Computer identifying a 128-byte file present in the monitor's EEPROM and containing all information on the monitor. The DDC feature uses several free VGA connector pins. The system will only be activated if both monitor and Personal Computer are equipped with this feature.

### DDC VGA CONNECTOR

- |    |                                    |
|----|------------------------------------|
| 1  | Red video input                    |
| 2  | Green video input                  |
| 3  | Blue video input                   |
| 4  | GND                                |
| 5  | Not connected                      |
| 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 (VCLK)               |
| 15 | SCL (Serial clock)                 |

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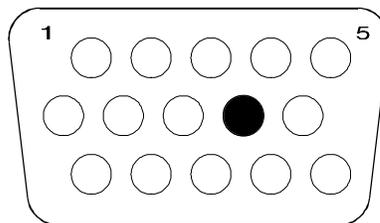


Fig. 36-1 DDC VGA Connector

