

15" COLOUR DISPLAY UNIT CDU1564MS/HY01

This display unit is manufactured by **HYUNDAI** and bears the identifier **DSM 40-151** on the front and rear of the casing and in the Progetto di Gestione; the name **CDU 1564MS/HY01** is on the homologation plate on the rear of the casing.

It has the same characteristics, disassembly and adjustment procedures as explained in the previous chapter on the CDU 1564HY (HL5864) display unit. The only difference is in the presence of the Olivetti logotype and in the DDC-1 feature. DDC-1 (Display Data Channel-1) is a data exchange method by which the monitor automatically sends its own features to the personal computer (such as the supported video modes and relative timings). This operation consists of the personal computer identifying a 128-byte file containing monitor information, and which is present in the monitor circuitry. DDC-1 uses some of the unused VGA connector pins. The system is only activated if both monitor and computer are equipped with the DDC-1 feature.

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VGA CONNECTOR IMPLEMENTING DDC-1 FEATURES

- | | |
|----|------------------------------------|
| 1 | Video input - red |
| 2 | Video input - green |
| 3 | Video input - blue |
| 4 | Identify output (Connected to GND) |
| 5 | DDC GND |
| 6 | Video ground - red |
| 7 | Video ground - green |
| 8 | Video ground - blue |
| 9 | Not present |
| 10 | Logic ground |
| 11 | Identify output (Connected to GND) |
| 12 | Bi-directional data (SDA) |
| 13 | Horizontal sync |
| 14 | Vertical sync (VCLK) |
| 15 | Not connected |

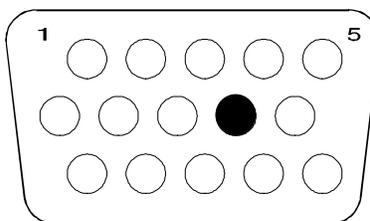


Fig. 34-1 VGA Connector Implementing DDC-1 Features