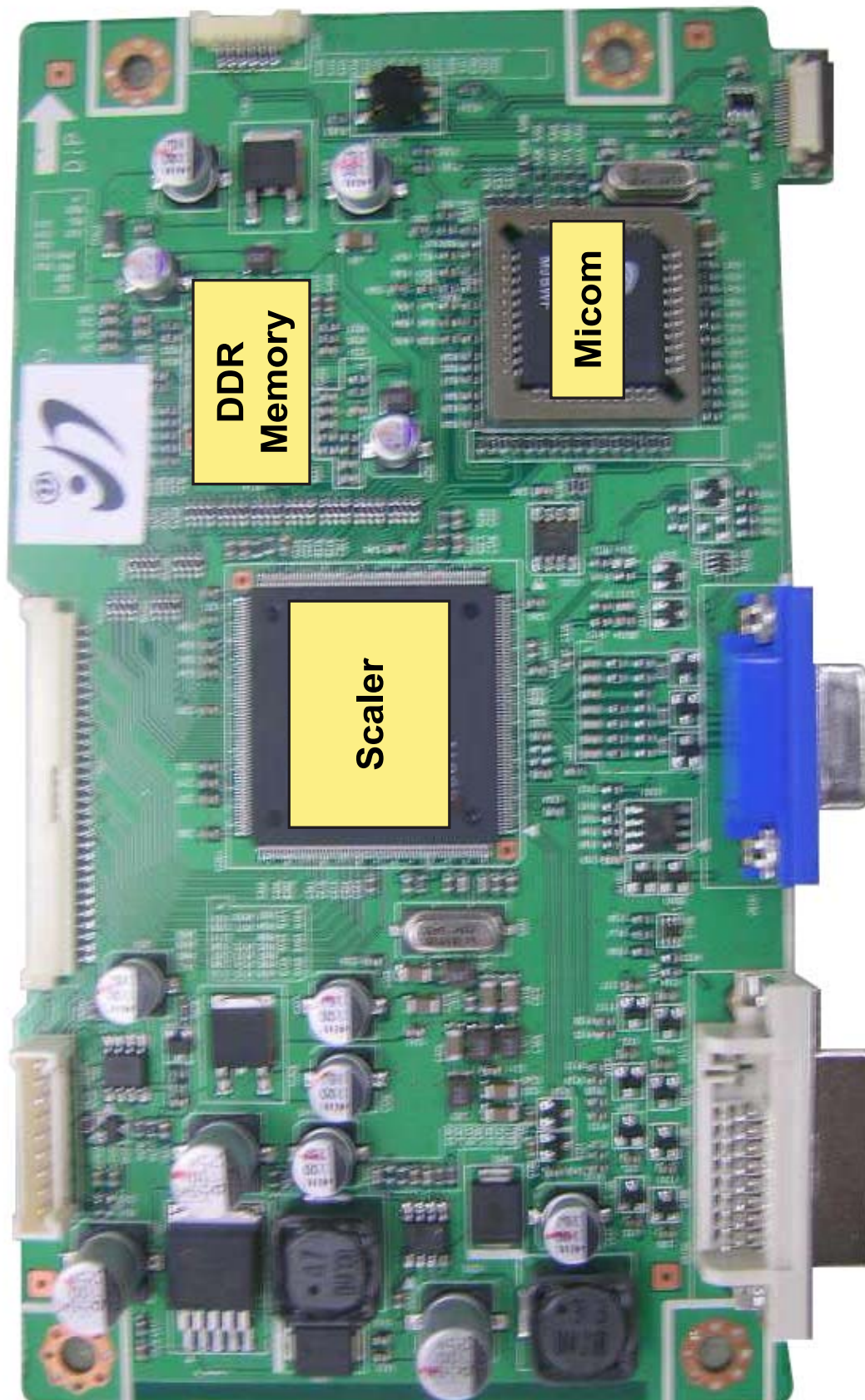


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## 13 Circuit Descriptions

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### 13-1 Block description



## 13-2 Block operating

No	Feature	Description
1	Scaler	Scaler Integrate ADC and TMDS, Scaling part.
2	DDR MEMORY	DDR memory Save frame information that SCALER needed .
3	MICOM	Microcontroller. Micom control all function of monitor.

Analog signal from the PC is changed to digital signal using the A/D converter integrated in scaler(MST6281). Scaler scale this digital signal to optimal signal fit to the panel and encode the LVDS signal. This LVDS signal enters the panel to show the image through the LVDS Connector.

In Case of DVI signal, integrated TMDS Block is operating and processing.

Micom controls all functions of the monitor and OSD.

DC/DC Block makes suitable voltages from output 14V of I/P board which are used for functions of all devices such as scaler, micom, memory, panel

IP board supplies voltages for main board and panel, at the same time, controls the lamp of panel back light.