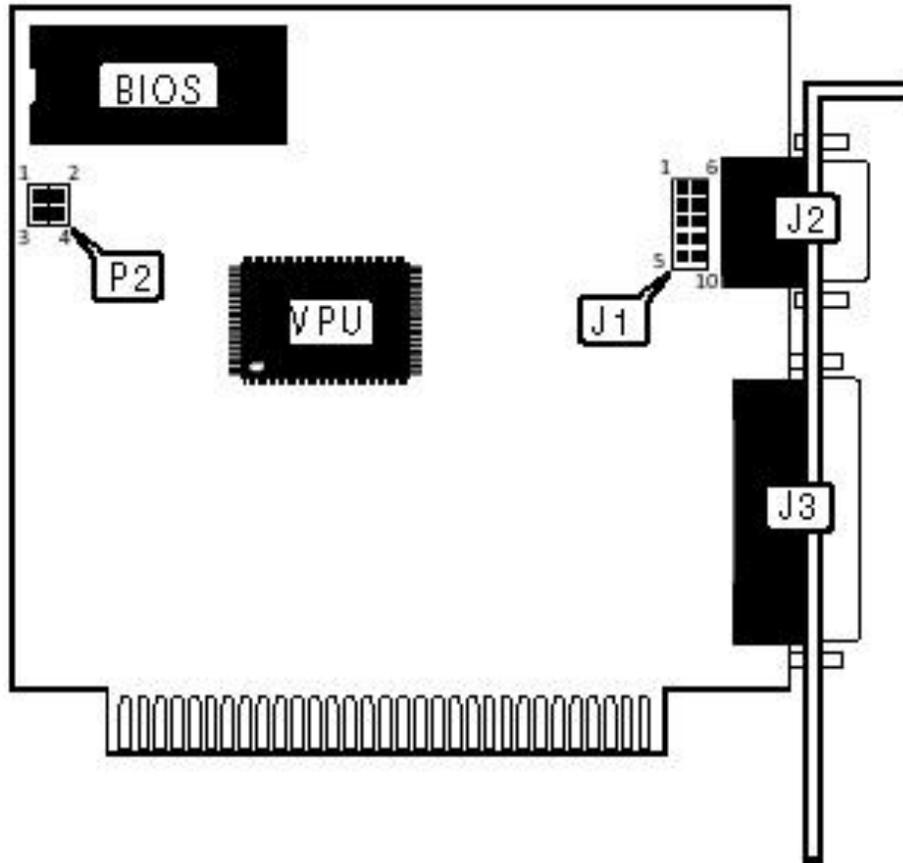


Unidentified Auto-Switching Dual Display Adapter 8-bit ISA MDA/Hercules/CGA Card (RAM MCG2502)



Connector	Function
J1	2 nd Monitor 10-pin header
J2	TTL Video Port DE-9 female connector
J3	Parallel Port DB-25 female connector

P2: Video Card Mode and Parallel Port Configuration			
P2 Pins	XT DIP Switch Setting	Parallel Port Configuration	Video Card Mode
Open	Color 40/80 column mode (CGA) or Monochrome mode (MDA)	3BCh / IRQ7	Auto-switching
1-2 Closed 3-4 Closed	Color 40/80 column mode (CGA)	Disabled	CGA
1-2 Closed	Monochrome mode (MDA)	3BCh / IRQ7	MDA/Hercules
3-4 Closed	Color 40/80 column mode (CGA)	378h / IRQ7	CGA

J1 Header Pinout	
Pin	Assignment
1	GROUND
2	GROUND
3	Red
4	Green
5	Blue
6	Intensity
7	Reserved
8	Horizontal Sync
9	Vertical Sync
10	N/C

Notes:

Auto-Switching Mode

When the card is configured for Auto-Switching, it can switch between MDA/Hercules and CGA modes on the fly, according to the requested Video Mode (by an application or game). The XT DIP Switch Setting only affects the system boot-up Video Mode. Some system information utilities may detect the presence of two video display adapters (primary & secondary).

Dual Display Function

The card can drive a second monitor via the J1 video header. The J1 video output mirrors the DE-9 video output. In case of monitors with the same capabilities (e.g. MDA/Hercules+MDA/Hercules, CGA+CGA), they will display the same video output. In case of monitors with different capabilities (e.g. MDA/Hercules+CGA, CGA+MDA/Hercules), when Auto-Switching Mode is enabled, the requested Video Mode will be displayed only on the monitor that supports it. Beware that certain monitor types may be damaged if driven by an unsupported signal.