Great Tek HRGPVGA1 8-bit ISA VGA Card
(Paradise PVGA1A-JK)
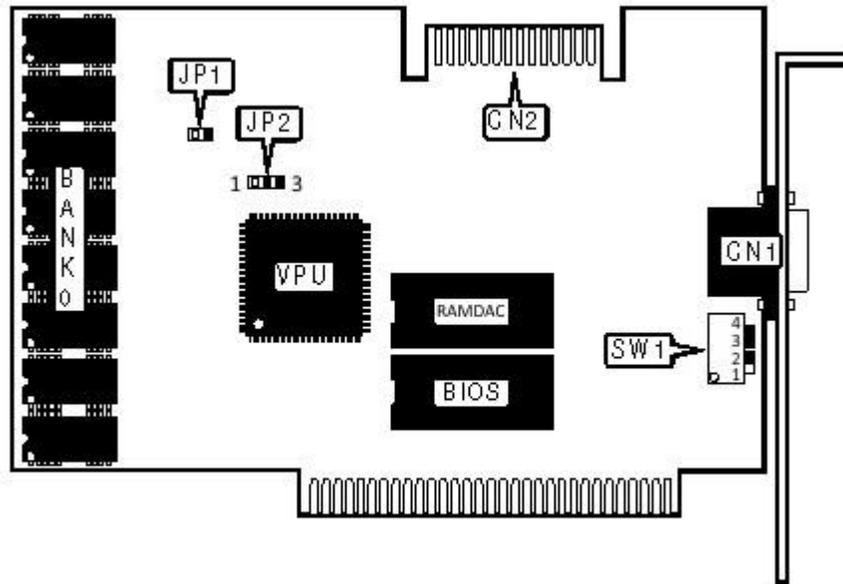
Connector	Function
CN1	VGA Port DE-15 female connector
CN2	Video Feature connector

SW1 Configuration	
SW1.1	**Monitor Type**
ON / Closed	Multi-frequency
OFF / Open	Standard VGA
SW1.2	**VGA Mode Switching**
ON / Closed	PS/2 Style
OFF / Open	PC/AT Style
SW1.3	**Reserved function**
ON / Closed	N/A
OFF / Open	Factory default
SW1.4	**Reserved function**
ON / Closed	N/A
OFF / Open	Factory default

JP1	Video Output Configuration
Closed	HSync: 40.0KHz, Vsync: 89Hz
Open	HSync: 35.1KHz, Vsync: 70Hz (factory default)

Video Feature Connector Configuration	
JP2	**Mode**
1-2 Closed	Support 800x600 graphics and 132 column text mode
2-3 Closed	Support all signals

Notes:

SW1.1 – Monitor Type
These choices tell the VGA card to use special timings for multi-frequency monitors, or to use standard VGA timings (e.g. for fixed frequency monitors). The multi-frequency monitor setting will allow video to be displayed on multi-frequency monitors using a larger screen area than standard VGA timings will allow. You may want to experiment to find the best results with your multi-frequency monitor. Multi-frequency display timings may lead to aspect ratio loss in graphics modes on flat panel displays.

SW1.2 - VGA Mode Switching
Select the manner in which the VGA card handles switching between color and monochrome VGA modes. PS/2 Style enables all VGA modes on any monitor. PC/AT Style enables color modes on color monitor and mono mode on mono monitors. When using the PC/AT Style, monochrome text (07h) and monochrome graphics (0Fh) modes may not be displayed correctly on flat panel displays.

SW1.3 – Reserved Function
It is not used and should be set to the OFF / Open position.

SW1.4 – Reserved Function
It is not used and should be set to the OFF / Open position.

JP1 - Video Output Configuration
This jumper configures the VGA output HSync and VSync frequencies. If JP1 is set to Open, HSync is 31.5KHz and VSync is 70Hz (standard VGA settings). If JP1 is set to Closed, HSync is 40.0KHz and VSync is 89Hz (make sure that the connected VGA monitor supports these frequencies).

JP2 - Video Feature Connector Configuration
This jumper is provided to allow your board to use the clock input from the Video Feature Connector. The factory setting over pins 1 and 2 allows support of 800x600 graphics and 132 column text modes. The other position over pins 2 and 3 disables 800x600 graphics and 132 column text modes and provides full support for all the signals on the Video Feature Connector.