



CGA TO VGA CONVERTER

I. FEATURES

- CGA signal can display on PC or TFT monitor
- Sustaining contrastive modification
- Supporting combined and separate frequency of sync. Horizon and vertical.
- Display frame sharpness and tiny pixel
- Normal resolution enhance to higher instead

II. SPECIFICATIONS

Parameter		Specifications	
Power Supply	Input	DC 5 Voltage	
	Consumption	2.0 Watts Maximum	
Signal	Input1 (J01)	CGA	Video Analog RGB 15Vpp / 1kΩ (Adjust by VR01)
			Sync. Combination
	Input2 (J02)	CGA	Video Analog RGB 15Vpp / 1KΩ (Adjust by VR01)
			Sync. Separation
Output (J03)	VGA / SVGA	Video Analog RGB 0.7Vpp / 75Ω	
		Sync.	Negative Separate TTL 5.0Vpp
Video Connector	Input1 (J01)	CGA	5Pin (R, G, B, GND, Sync.)
	Input (J02)	CGA	8Pin (R, G, B, GND, H,V, NC,GND)
	Output (J03)	VGA / SVGA	15Pin D-Sub(Standard)
Adjustor	Contrastive Adjustor(VR01)		

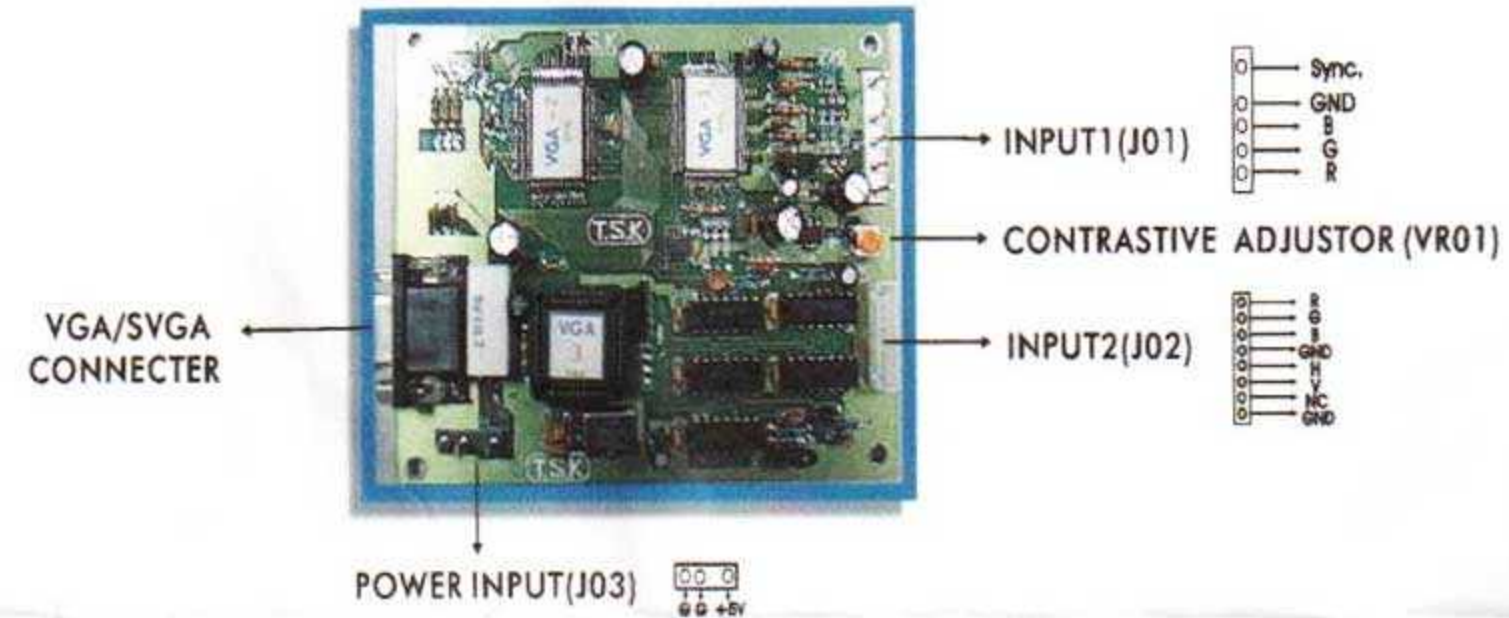
Table1

III. INSTALLATION

1. Confirming the power is DC+ 5 voltage.
2. Check if the signals of source and converter are both in off stage.
3. Plugging the signal cable into J02 and another to source signal.
4. Turn on the signal source and power at the same time.

※ Don't let the power on before disconnecting the source signals of J01 and J02.

IV. DIAGRAM



POSTSCRIPT:

1. The pin name of INPUT1 (J01) from upper to lower is Synchrony, GND, B, G, and R.
2. The pin name of INPUT2 (J02) from upper to lower is R, G, B, GND, H, V, NC, and GND.
3. The pin name of POWER INPUT (J03) from right to left is +5V, GND, and GND.

V. MEASURED VALUES OF FACTORY-PRESET

NOTICE

Item	Input		Output	
	H-Freq. (k Hz)	V-freq. (Hz)	H-freq. (k Hz)	V-freq. (Hz)
Input1 (J01)	15.75	60.0	30.9	60.0
	15.6	59.1	31.2	59.1
	15.5	56.2	31.2	56.2
Input2 (J02)	14.5 ~ 16.5	50 ~ 65	29.0 ~ 33.0	50 ~ 65

Table2

VI. NOTICE

1. CGA combined Sync. follows exactly the same with what we list on table2.
2. CGA separate sync. offers all kinds of CGA signals.
3. If you have any extraordinary timing, please contact us, and further, we will particularly make the project depending on your need.