

CGA TO VGA CONVERTER

NEW MODEL: ACV-011

FEATURE

- CGA game board signal can display on PC monitor or TFT monitor.
- All new design for low picture noise and detects wider range in game board timing.
- Low-resolution enhance to hi-resolution.
- Picture more sharpness and tiny pixel.
- Support sync-combine mode and sync-separate mode select by DIP SW
- Support CGA and VGA input select by VGA bypass SW.
- Support multi-game board select by 16ch DIP SW.
- RGB gain adjusts by 3 VR.
- Support Sync on green signal, auto detect.

SPECIFICATIONS

PARAMETER	SPECIFICATIONS		
POWER	INPUT		DC 8~16V
	CONSUMPTION		2.0 WATTS MAXIMUM
SIGNALS	INPUT1: SYNC COMBINE	CGA	VIDEO Analog RGB 1~5VP-P/1KΩ (ADJUST BY VR)
			SYNC NEGATIVE/POSITIVE H/V TTL 3.5~5.0VP-P
	INPUT2: SYNC SEPARATE	CGA	VIDEO Analog RGB 1~5VP-P/1KΩ (ADJUST BY VR)
			SYNC NEGATIVE/POSITIVE H,V TTL 3.5~5.0VP-P
	INPUT3 SVGA BYPASS	SVGA	VIDEO Analog RGB 0.7VP-P/75Ω
			SYNC NEGATIVE/POSITIVE SEPARATE TTL 5.0VP-P
OUTPUT VGA/SVGA		VIDEO Analog RGB 0.7VP-P/75Ω	
		SYNC NEGATIVE/POSITIVE SEPARATE TTL 5.0VP-P	
VIDEO CONNECTOR	INPUT1	CGA	6PIN (R ,G ,B ,GND,H/V,N.C.)
	INPUT2	CGA	6PIN(R ,G ,B ,GND,H,V)
	INPUT3	SVGA	15PIN D-SUB (STANDARD)
	OUTPUT VGA/SVGA		15PIN D-SUB (STANDARD)
USER CONTROLS	VGA BYPASS SWITCH		
	VR (R G B GAIN ADJUST)		
	DIP SW (SELECT GAME BOARD)		
ENVIRONME NTAL LIMITS	OPERATING TEMP.	0°TO 55°C	
	STORAGE TEMP.	-20°TO 70°C	
WEIGHT	170g		
OVERALL DIMENSION (HxWxD)	14.5x116x92 mm		

TABLE 1

FACTORY-PRESET MODES:

MODE	INPUT		OUTPUT	
	H-FREQ.(KHz)	V-FREQ(Hz)	H-FREQ.(KHz)	V-FREQ(Hz)
INPUT1	15.45	60.0	30.9	60.0
SYNC	15.6	59.1	31.2	59.1
COMBINE	15.6	55.3	31.2	55.3
INPUT2 SYNC SEPARATE	14.5~16.5	50~65	29.0~33.0	50~65
INPUT3 VGA/SVGA BYPASS	ALL VGA/SVGA TYPE	ALL VGA/SVGA TYPE	SAME INPUT	SAME INPUT

TABLE 2

CH	DIP SW 4 3 2 1	GAME BOARD NAME
1	XXXX	NORMAL ICB CM99, SUBSINO
2	XXXO	CYE
3	XXOX	IGS
4	XXOO	AMATIC
5	XOXX	JOLLY JOKER
6	XOXO	WITCH GAME
7	XOOX	CUTY LINE
8	XOOO	DYNA X
9	OXXX	PSiKYO
10	OXXO	BIGIGO
11	OXOX	
12	OXOO	
13	OXXX	
14	OOXX	
15	OOOX	
16	OXXX	SEPARATE SYNC.

TABLE 3

* "O"= ON, "X"=OFF

NOTICE

- * IN CGA COMBINE SYNC MODE, THE TIMMING IS VERY IMPORTANT. IT NOT SAME TO ABOVE LIST TIMMING BUT, IT MAY WORK NORMALLY.
- * IF YOU HAVE ANY TIMMING THAT WE UNSUPPORT. PLEASE LET ME KNOW. WE WILL DO IT WELL.
- * IN CGA SEPARATE SYNC MODE, IT MAY SUPPORT ALL CGA TYPE SIGNALS
- * IT CAN INPUT VGA, SVGA, XGA SINGALS BYPASS TO VGA OUTPUT CONNECTOR.

**INSTALLATION

FIRST, PLEASE MAKE SURE THAT THE DC VOLTAGE IS EXACTLY WITHIN THE VOLTAGE RANGE SHOWN ON THE SPECIFICATION.

CHECK IF THE SIGNAL SOURCE AND CONVERTER ARE BOTH IN OFF STAGE BEFORE CONNECTING.

PLUG THE FREE END OF SIGNAL CABLE INTO THE 8PIN PLUG OF CONVERTER. ANOTHER CONNECT TO SIGNAL SOURCE.

PLUG THE FREE END POWER CONNECTOR INTO DC-JACK OF DC SOURCE.

SELECT DIP SW FOR SUPPORTED GAME BOARD.

TURN ON THE SIGNAL SOURCE AND CONVERTER'S POWER, AND IT CAN WORK.



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