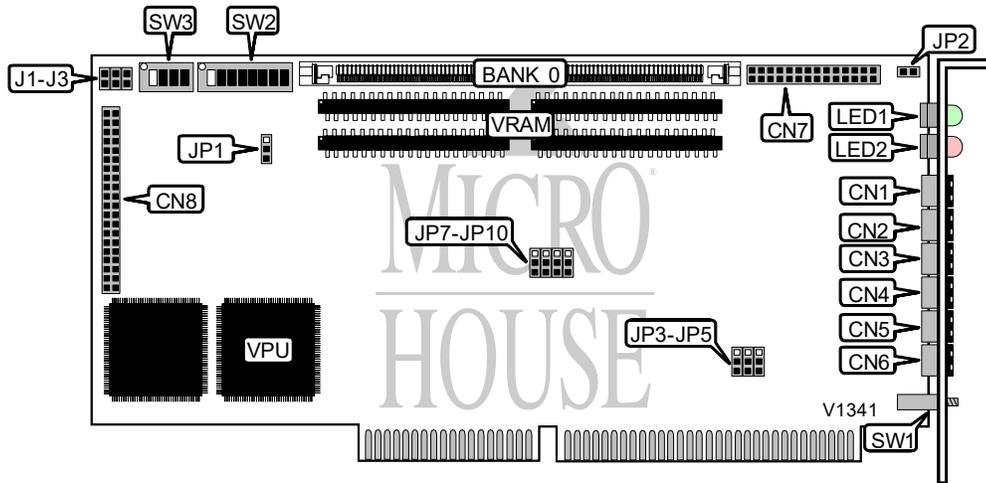


# OMNICOMP GRAPHICS CORPORATION TIGA FOR THE TEXAN ET

Category	Video
Video Types Supported	XVGA
Video Processor	TMS34020
Highest Resolution Supported	1600 x 1280
Data Bus Type	16-bit ISA
Memory Type	DRAM/VRAM
Maximum Onboard Memory	8MB/4MB



CONNECTIONS			
Purpose	Location	Purpose	Location
Red signal connector	CN1	Vertical sync connector	CN5
Green signal connector	CN2	Frequency connector	CN6
Blue signal connector	CN3	VGA pass through connector	CN7
Horizontal sync connector	CN4	Serial port(s) daughter-board connector	CN8

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BASE I/O ADDRESS SELECTION						
Address	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
1300h	Off	Off	On	On	On	On
200h	Off	On	On	On	On	On
210h	Off	On	On	On	On	Off
220h	Off	On	On	On	Off	On
230h	Off	On	On	On	Off	Off
240h	Off	On	On	Off	On	Off
3B0h	Off	Off	Off	On	Off	Off
3C0h	Off	Off	Off	Off	On	On
3D0h	Off	Off	Off	Off	On	Off
3E0h	Off	Off	Off	Off	Off	On
3F0h	Off	Off	Off	Off	Off	Off

Note: A total of 32 base address settings are available. The jumpers are a binary representation of the decimal memory addresses. Switch SW2/1 is the Most Significant Bit and switch SW2/6 is the Least Significant Bit. The switches have the following decimal values: switch SW2/1=512, SW2/2=256, SW2/3=128, SW2/4=64, SW2/5=32, SW2/6=16. Turn off the switches and add the values of the switches that are off to obtain the correct memory address. (Off=1, On=0)

VGA PASS THROUGH CONFIGURATION	
Setting	SW2/7
Enabled	Off
Disabled	On

Note: If the VGA pass through connector is not connected to the board in the system, switch SW2/7 must be turned On.

SYNC ON GREEN CONFIGURATION	
Setting	SW2/8
Disabled	On
Enabled	Off

SELF TEST & DEMONSTRATION CONFIGURATION		
Setting	SW1	SW3/1
Enabled	Press	On
Disabled	Only press one time	Off

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POWER UP RESOLUTION CONFIGURATION			
Setting	SW3/2	SW3/3	SW3/4
640 x 512 color stereoscopic	Off	Off	Off
1024 x 960 interlaced Nucolor	On	Off	Off
1024 x 1024 mono stereoscopic	Off	On	Off
640 x 480 Nucolor	On	On	Off
1280 x 1024 60Hz	Off	Off	On
1600 x 1280 60Hz	On	Off	On
EEPROM	On	On	On

Note: Stereoscopic and Nucolor modes refer to the Tektronix Stereoscopic and NuColor monitors.

DRAM MEMORY SELECTION		
Setting	J3	JP1
í 1MB or 2MB DRAM	Open	Pins 1 & 2 closed
4MB or 8MB DRAM	Closed	Pins 2 & 3 closed

EEPROM PROGRAMMING CONFIGURATION	
Setting	JP7
í +12V	Pins 2 & 3 closed
+5V	Pins 1 & 2 closed

EEPROM POWER UP CONFIGURATION	
Setting	JP8
í Write protected	Pins 1 & 2 closed
Not write protected	Pins 2 & 3 closed

1 & 2 MBIT EEPROM DEVICES CONFIGURATION	
Setting	JP10
í Enabled	Pins 1 & 2 closed
Disabled	Pins 2 & 3 closed

BUS TYPE SELECTION	
Type	J1
í 16-bit	Closed
8-bit	Open

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VPU CONFIGURATION	
Setting	JP2
í TMS34020 not halted	Open
TMS34020 halted	Closed

INTERRUPT SELECTION			
IRQ	JP3	JP4	JP5
í Disabled	Open	Open	Open
2/9	Pins 2 & 3 closed	Open	Open
5	Pins 1 & 2 closed	Open	Open
10	Open	Pins 2 & 3 closed	Open
11	Open	Pins 1 & 2 closed	Open
14	Open	Open	Pins 2 & 3 closed
15	Open	Open	Pins 1 & 2 closed

DRAM CONFIGURATION	
Size	Bank 0
1MB	(1) 256K x 36
2MB	(1) 512K x 36
4MB	(1) 1M x 36
8MB	(1) 2M x 36

**VRAM CONFIGURATION**  
Note: 2MB of the 4MB of VRAM on board is located on the back of the board.

FACTORY CONFIGURED - DO NOT ALTER	
Jumper	Position
J2	Open
JP9	Open

DIAGNOSTIC LED(S)				
LED1 Color	LED1 Status	LED2 Color	LED2 Status	Condition
Green	On	Red	On	DRAM or serial port test initiated
Green	On	Red	Off	VRAM test initiated
Green	Off	Red	Off	RAMDAC or FPU test initiated
Green	Off	Red	On	GSP test initiated
Green	Blinking	Red	Off	Test has passed
Green	Off	Red	Blinking	Test has failed