

**MONO/COLOR GRAPHICS &
PRINTER ADAPTER
USER'S MANUAL**

MCGP-5

TM:

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NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

HM 6311 SINGLE CHIP MCGP

FEATURES :

- * Fully compatible with Hercules MDA and CGA
- * Support both Software and Hardware Switching
- * Support Single or Dual Character ROM System
- * Use two Single 4464-12 in Hercules Display Mode
- * Support Monitor Protect on Power-On
- * Support Light Pen Interface in both Hercules and CGA Mode
- * Support Printer Port (Disable, LPT1, LPT2 and LPT3)
- * 100 Pins Plastic Flat Package
- * CMOS Process for Low Power Consumption
- * Provide Color Emulation on MDA Monitor
- * Auto-Switching in Boot Procedure
- * Support Software Switching on DOS MODE Command
- * Built-in 6845
- * Support Composite NTSC Standard
- * Auto Screen Blanking Function (8 Minutes)

Hardware Switches

There are 9 hardware switches which can be set during the power on sequence. These switches will be latched when RESET pins (on slot) go low. The functions of these switches are listed below :

HM 6311 (MCGP) HARDWARE SWITCH

JUMPER	PIN NAME	FUNCTION	OFF	ON
JP1	R30 MD0	PT0	(JP2,JP1) : (OFF,OFF) = LPT3, (OFF,ON) = LPT2 (ON,OFF) = LPT1, (ON,ON) = Disable	
JP2	MD1	PT1		
JP3	MD2	HCS	Monochrome Mode	CGA Mode
JP4	MD3	ASW	Auto-switch Mode	Disable
JP5	MD4	ROM	Select Dual ROM	Using Single ROM
JP6	MD5	ASB	Auto-Screen Blanking	Disable
JP7	MD6	CLE	Color-Emulation Mode	Non-color-Emulation
JP8	MD7	CGAS	Reserved ON (Pull Low)	
JP9	RA1	CFS	Select 7x7 Font	Select 5x7 Font
JP10	R39 RA2	IRM	Select Internal ROM	Select External ROM