

HMC**HM86171**
COLOR PALLETE RAMDAC**Features**

- * Hardware and software compatible with VGA, MCGA, and 8514/A graphics.
- * Compatible with the RS170 video standard.
- * Single monolithic, high performance CMOS.
- * Pixel Rates up to 50 MHz.
- * 256K possible colours.
- * Pixel word mask.
- * Up to 8 bits per pixel.
- * RGB analogue output, 6 bit DAC per gun, composite blank.
- * Triple six-bit video DAC.
- * 256 x 18 bit high speed SRAM.
- * TTL compatible inputs.
- * Video signal output into 37.5Ω.
- * Typical power consumption 500mW.
- * Low AC glitch energy.
- * Microprocessor compatible interface.
- * Single +5V ± 10% power supply.
- * 28 pin DIP package.
- * A 50 MHz and a 35 MHz version are available.

Pin Assignment

HM 86171

RED	1	28	V _{CC}
GREEN	2	27	RS _I
BLUE	3	26	RS _O
REF	4	25	WR
P0	5	24	D7
P1	6	23	D6
P2	7	22	D5
P3	8	21	D4
P4	9	20	D3
P5	10	19	D2
P6	11	18	D1
P7	12	17	D0
PCLK	13	16	BLANK
V _{SS}	14	15	RD