

GENERAL DESCRIPTION

The NCM 3010Z is a metal-gate CMOS/LSI decoder/controller which is used in conjunction with the NCM 3009Z NTSC Sync Generator and the NCM 4001Z RGB Pattern Generator to form a NTSC Pattern Generating System. The NCM 3010Z provides all the necessary clock and pattern selection signals to the appropriate ICs. With very few external components the user is able to manually or automatically step through the 16 available patterns produced by the NCM 4001Z.

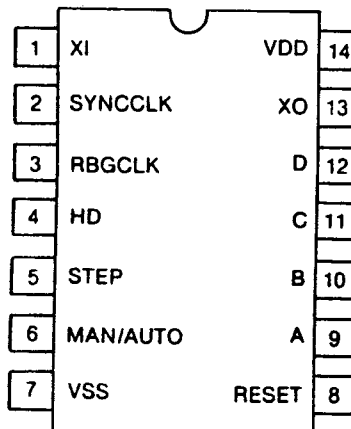
ABSOLUTE MAXIMUM RATINGS

Parameter	Maximum Value
Supply Voltage = VDD	15 Volts
Input Voltage	VDD + 0.7 Volts
IDD	10 mA
Operating Temperature Range	- 25 to + 85°C
Storage Temperature Range	- 40 to + 125°C

OPERATING CHARACTERISTICS (at 25°C and nominal supply voltage)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Volts
Supply Voltage	VDD		4.5	5	12	Volts
Supply Current	IS			1.5		mA
High-level Input Voltage	VIH	VDD = 5 V	3.5			Volts
Low-level Input Voltage	VIL	VDD = 5 V			1.5	Volts
High-level Output Voltage	VOH	VDD = 5 V IOH = 0.4 mA	4.5	4.9		Volts
Low-level Output Voltage	VOL	VDD = 5 V IOL = 1.6 mA		0.22	0.4	Volts
Input Leakage Current	IIN				1.0	µA

NCM 3010Z



Device Pin Configuration

