

TABLE 4.3 TYPICAL WAVEFORMS AND VOLTAGES

TEST POINT	WAVEFORM
<u>General</u>	
R44	5.5V sinewave 9.8304 MHz (MCK) NOTE: Before attempting to measure this signal, refer to the CAUTION on page 4.4
C18	5.2V sinewave 25.6 KHz
T24 Collector	5.2V squarwave 25.6 KHz (SCK)
C21	40 μ S reset pulse, negative going (press Reset switch)
T25 Collector	+5.0V sense line (SNS)
C14	+2.4V (LP)
<u>IC1</u>	
Pin 6	Squarewave 5.5V 3.2768 MHz (Z80 clock)
Pin 11	+5.5V
Pin 16	Negative going 5.5V pulses, 100 Hz (<u>INT</u>)
Pin 17	Negative going 5.5V pulses, 100 Hz (<u>NMI</u>)
Pin 18	Negative going 5.5V pulses, 100 Hz (<u>HALT</u>)
Pin 20	Negative going 5.5V pulses, 100 Hz (<u>TORQ</u>)
Pin 26	Negative going reset pulse, (<u>RST</u> , press Reset switch)
<u>Display SK5</u>	
Pin 1	+5.5V
Pin 3	-6.6V to -10.5V variable by RV1
Pin 4	+5.5V pulses, 300 nS pulse width, period 156 μ S
Pin 5	5.5V squarewave 50 Hz (FR)
Pin 6	+5.5V
Pins 8,11,12,13,14	Data
Pin 9	5.5V squarewave 3 MHz (display shift clock, XSCL)

TABLE 4.4 COMA VOLTAGES

TEST POINT	VOLTAGE
IC2, pin 20	+5.5V (IRCE)
SK1, pin 30	+5.5V (SE1)
SK2, pin 30	+5.5V (SE2)
SK3, pin 30	+5.5V (SE2)
IC2, pin 22	0.0V (POE/ \overline{OE})