1284J68-1
Watchdog Overspeed Board
tp1284j68, GE8

MARK III
PC BOARD TEST

REV. C
SHEET 1 of 2

	ASSEMBLY DRAWING 4136J54G01	PC BOARD DRAWING 4136J34-2	SERIAL #
Lot#			DATE TESTED
PO#	SCHEMATIC DRAWING 4136J23	TEST KIT Universal Test Kit	TESTER

1.0 INSPECTION

1.45

.1 IDENTIFICATION ____ .3 SOLDER/WIRE ____ .5 KEY SLOT ____

.2 COMP./ CONN. ____ .4 TEMP CYCLE ____ .6 ____

.7 ____

REMARKS: Changes made 1/22/88 mtf
Check for jumpers at CR1 & CR2

2.0 PREPARATION

2.1 CONNECT PER FIGURE 1. (use watch Dog probe) ____
A02 Row 7 use 2 whit jacks ow end of BOX

3.0 CHECKOUT

*3.1 (REFERENCE SCHEMATIC 4136J23 FOR THIS STEP).
SET OSCILLATOR FOR .1 VRMS SINE WAVE, 4160 HZ. ADD ~~C3, C4~~, C5, AND C10 AS NECESSARY TO CAUSE THE AC VOLTAGE AT TP2 TO PEAK (AROUND .06 VRMS) ____

3.2 SET OSCILLATOR AT 2000 HZ, 1 VRMS. ____
CONNECT PIN 32 TO -5.5 VDC. ____
WHILE PUSHING RST MOMENTARILY, ____
TP1 SHOULD READ +24 VDC. ____
TP3 SHOULD READ -2 TO -6 VDC. ____
TP5 SHOULD READ APPROXIMATELY +14 VDC. ____
PIN 40 SHOULD READ LESS THAN 0.4 VDC. ____

Voltage will peak and fall off (won't could be higher! peak)

3.3 SET THE OSCILLATOR TO 0 VRMS.
TP5 SHOULD READ +14.00 VDC.
PIN 40 SHOULD READ LESS THAN 0.4 VDC

3.4 CONNECT PIN 32 TO VARIABLE DC. SOURCE AND APPLY BETWEEN -6.1 V AND -7.6 VDC
TP5 WILL GO TO -13.80 AND PIN 40 WILL GO TO +24.00 DC..
REMOVE VARIABLE DC. SOURCE
MTF 3/2/88

3.5 SET OSCILLATOR AT 3600 HZ, 1.40 VRMS. ____
USING A COUNTER AND RST PB AS NECESSARY, RAISE THE OSCILLATOR FREQUENCY AND VERIFY THAT TP1 DROPS TO 0 VDC AT 4060 ±10 HZ.

3.6 VARY OSCILLATOR OUTPUT LEVEL FROM 1.2 VRMS TO 1.6 VRMS WHILE REPEATING STEP 5. DROP POINT SHOULD NOT VARY BY MORE THAN ±30 HZ. ____

* use Decade Cap. Box. Do thru entire test then select C3, C4, C5, C10 as required to match caps of Box. DPC 12/23/92

1284J68
WATCH DOG OVERSPEED BOARD

SIZE A 1284J68 SHEET 3

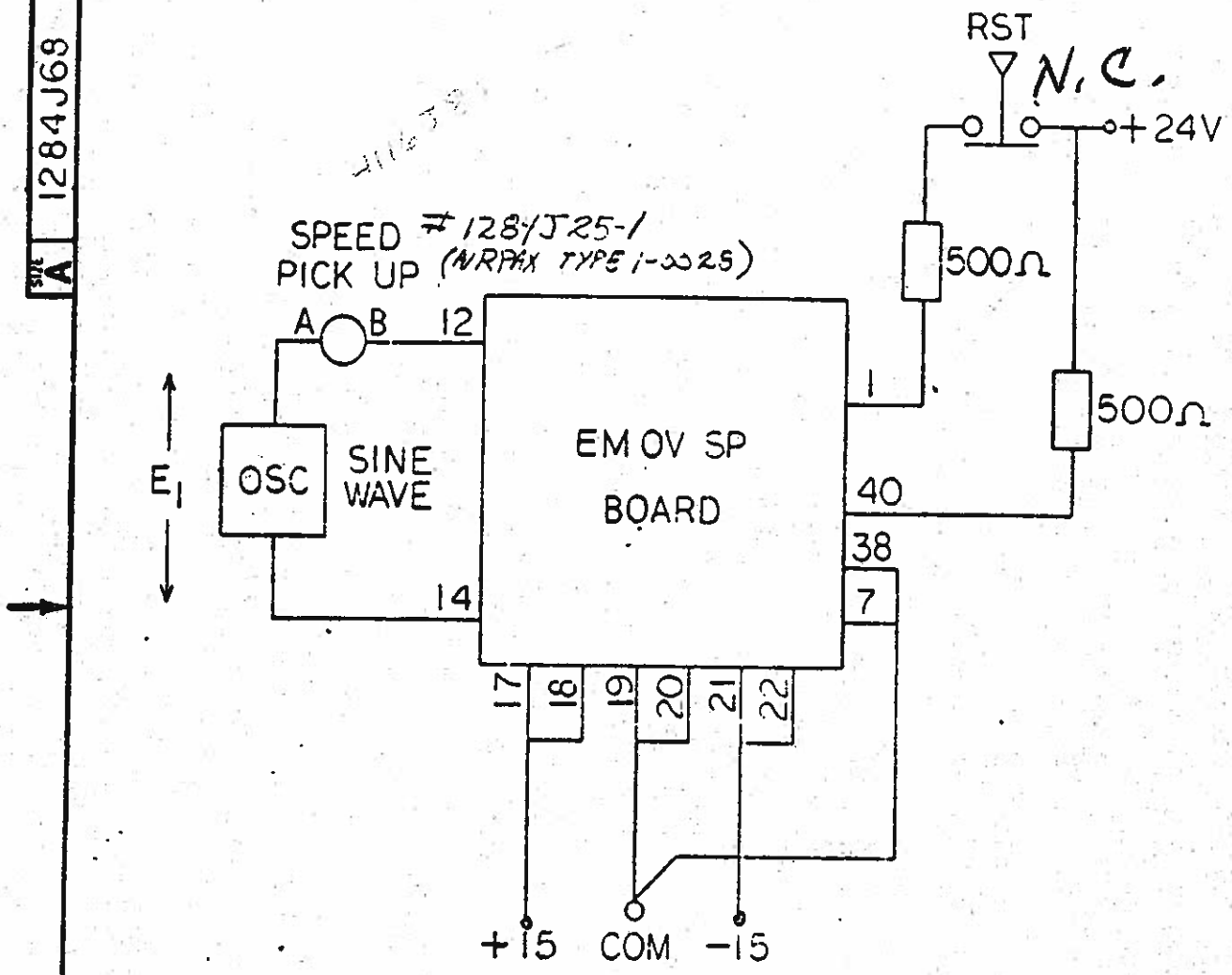

FIGURE 1

PERFORMANCE REQUIREMENTS

SIGNATURES					
DRAWN			SIZE A	01289	1284J68	REV 1
ISSUED					SH X 2