

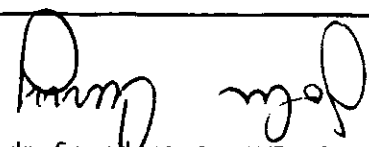
9000A-Z80/AA-130	REV. A		PAGE 1 OF 7	JF NO. 681106	B.U. MGR. <i>[Signature]</i> DATE 9-10-82
	9000A-Z80/AA				O.A. <i>[Signature]</i> DATE 9/19/82
					MFG. <i>[Signature]</i> DATE 9-7-82
					MKTG. <i>[Signature]</i> DATE 9-10-82
	SPECIFICATION CONTROL DRAWING				ENGR. <i>[Signature]</i> DATE 9-10-82



JOHN FLUKE MFG. CO., INC.
P.O. BOX C9090, EVERETT, WA 98206

MODEL
9000A-Z80/AA
9000A-Z80 with 6 MHZ Z80B
Processor

THIS DOCUMENT CONTROLS SPECIFICATIONS AND FABRICATION OF A SPECIAL
INSTRUMENT MANUFACTURED BY THE JOHN FLUKE MFG. CO., INC.

DOCUMENT CHANGE RECORD		REV. LTR.	PAGE	DESCRIPTION OF CHANGE
A	2	Up REV letter		
	6	Changed paragraph 6.1, section 1-A to indicated new clock circuitry.		
	7	Added figure of clock circuitry to bottom of page. Added part numbers to paragraph 6.2, sections 3 and 4.		
		 7-26-85		
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DOCUMENTATION INDEX		MODEL: 9000A-Z80/AA	
ITEM	DRAWING NUMBER	DRAWING TITLE	SHEETS
			B/MTL
			MFG
			MNLS
			USAGE
1	9000A-Z80/AA	-130 Summary	X X
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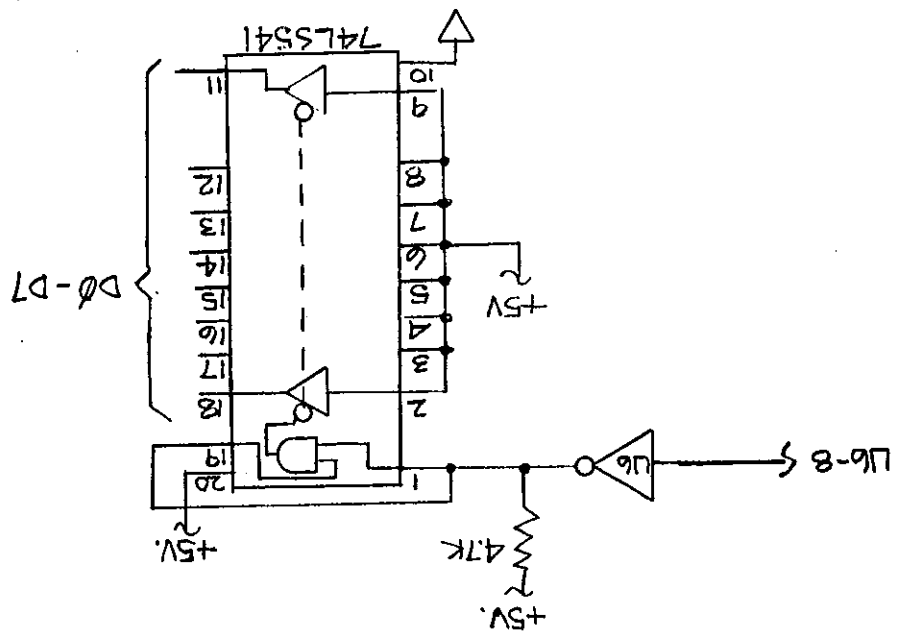
JOHN FLUKE MANUFACTURING CO., INC.
 9000A-Z80/AA-130
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7	REV PAGE	9000A-Z80/AA	
JOHN FLUKE MANUFACTURING CO., INC.			
		<p>1.0 GENERAL DESCRIPTION</p> <p>The 9000A-Z80/AA is a standard 9000A-Z80 pod with the Z80 microprocessor replaced by a Z80B, additional circuit components and the UUT cable are replaced, then tested and verified for operation at 6 MHz.</p> <p>Pod function and operation of the 9000A-Z80/AA is identical to that of the 9000A-Z80 pod.</p>	<p>2.0 ELECTRICAL SPECIFICATIONS</p> <p>2.1 Maximum Clock Frequency: 6.0 MHz Typ.</p> <p>All other specifications are the same as the standard 9000A-Z80 pod.</p> <p>3.0 MECHANICAL SPECIFICATIONS</p> <p>Same as standard 9000A-Z80 pod.</p>
4.0		<p>4.1 Purchased Parts</p>	<p>Qty. Description</p>
4.2		<p>Stock Parts</p>	<p>3 ea I.C. 74ALS245</p> <p>1 ea UUT Cable</p>
	P/N	<p>647214</p> <p>685461</p>	

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JOHN FLUKE MANUFACTURING CO., INC.		

P/N	Description	Qty.
	None	4.3
	Deleted Parts	4.4
535906	I.C. 74C245AC	3 ea
478073	I.C. MP Z80A	1 ea
585141	UUT Cable	1 ea
	Finished Goods Parts	4.5
587733	9000A-Z80 Pod	1 ea
	DOCUMENTATION	5.0
	Manual	5.1
	Standard 9000A-Z80 Manual	1 ea

(2) Standard 9010 Pod Test Station using existing test program.



- A. Replace existing crystal in fixture with one of 6.5MHz (6.0 to 6.7 MHz okay)
- B. Replace programmed eeprom from 2716-1 to 2732A-2.
- C. Modify interrupt vector circuit as shown below:

(1) Modified Z80 Test Fixture as described below:

6.1 Equipment Required

6.0 TEST PROCEDURE

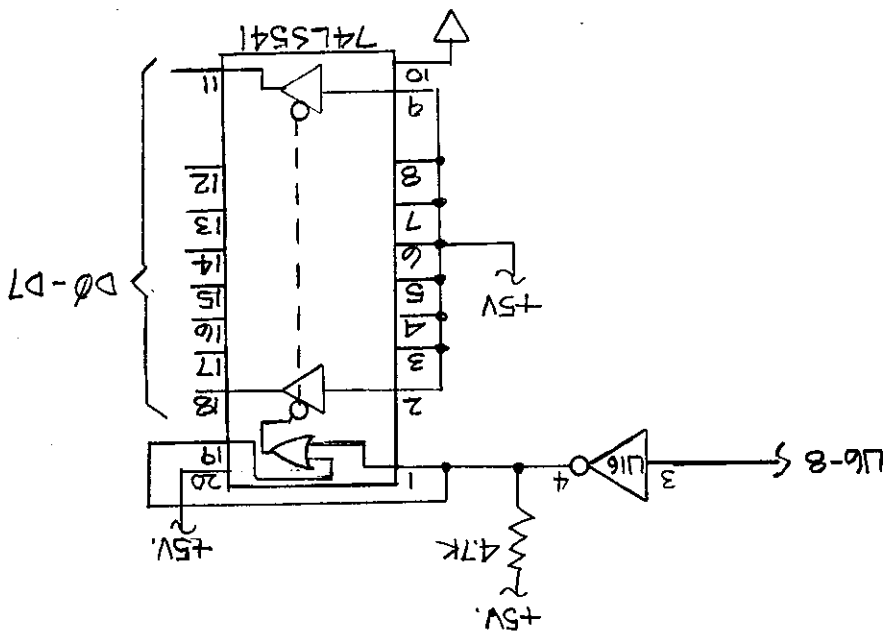
6.0 TEST PROCEDURE

6.1 Equipment Required

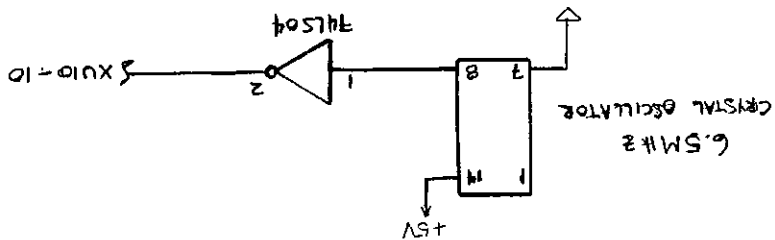
(1) Modified Z80 Test Fixture as described below:

- A. Replace U10 and Y1 with the 6.5 Mhz crystal oscillator and inverter circuit shown at the bottom of this page.
- B. Replace programmed eeprom from 2716-1 to 2732A-2.
- C. Modify interrupt vector circuit as shown below:

(2) Standard 9010 Pod Test Station using existing test program.



Circuit for paragraph 6.1, section 1-A above.



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1. Remove covers from pod, remove shield, existing UUT cable, and separate P.C.B.'s.
2. On processor PCB, replace U5 Z80A microprocessor with Z80B CPU.
3. On interface PCB, replace U1, U3 and U5 with 74ALS245 P/N 647214.
4. Replace UUT cable with shielded configuration P/N 685461.
5. Reassemble PCB's, replace shield.
6. Add printed label on shield which reads:
NOTE: This instrument is a special, modified per 9000A-Z80/AA-130.
7. Replace covers, add printed label adjacent to serial number which reads: 9000A-Z80/AA.
8. Test unit per standard Z80-150 Test Procedure.

6.2 Pod Modification & Test