

## PROBE INFORMATION

### Synchronization Specification:

SYNC MODE <0-F> h      h = Hexadecimal Digit :  
                                     A = Address Sync  
                                     D = Data Sync  
                                     F = Free-Run

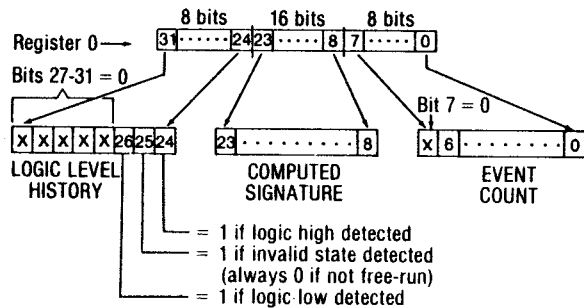
### Probe Stimulus:

HIGH KEY	LOW KEY	TYPE OF STIMULUS GENERATED
In	Out	High pulses.
Out	In	Low pulses.
In	In	Toggle between high and low pulses.
Out	Out	No stimulus generated.

### Display After Read Probe Operation:

PROBE-LVL abc COUNT ddd SIG nnnn  
 a = L if logic low detected  
 b = X if invalid state detected  
     (X can only appear in free-run)  
 c = H if logic high detected  
 ddd = Decimal number 000 to 127  
 nnnn = Hex number 0000 to FFFF

### Register 0 After Read Probe Operation:



### Probe Indicator Light Activity:

CONDITION	DESCRIPTION OF SIGNAL
Green on continuously, red off	Low level
Red on continuously, green off	High level
Both off	Invalid level
Both on continuously	Toggleing between high and low, but invalid < 100 ns.
Green flashing, red off	Toggleing between low and invalid
Red flashing, green off	Toggleing between high and invalid
Both flashing	Toggleing between all three levels

## SETUP MESSAGES (Power-On Values Shown)

MESSAGE	DESCRIPTION
SET-TRAP BAD PWR SUPPLY? YES	UUT system errors/conditions that are reported if YES is selected, not reported if NO is selected.
SET-TRAP ILLEGAL ADDRESS? YES	
SET-TRAP ACTIVE INTERRUPT? NO	
SET-TRAP ACTIVE FORCE LINE? YES	
SET-TRAP CTL ERROR? YES	
SET-TRAP ADDR ERROR? YES	
SET-TRAP DATA ERROR? YES	
SET-ENABLE xxxxxx? YES	xxxxxx = names of $\mu$ P lines that may be enabled (may be more than one message).
SET-BUS TEST @ aaaa-CHANGE?	aaaa = address where data lines are tested.
SET-RUN UUT @ aaaa-CHANGE?	aaaa = default address
SET-TIMEOUT 200-CHANGE?	Number represents length of delay before timeout error reported. May be decimal number 0-60000.
SET-EXERCISE ERRORS? YES	Determines whether error messages and prompts for looping on errors are displayed.
SET-BEEP ON ERR TRANSITION? YES	Determines whether beep sounds when errors are detected or removed.

### AUX I/F Related Setup Messages

SET-STALL 13-CHANGE?	Any hex value 0-FF.
SET-UNSTALL 11-CHANGE?	Any hex value 0-FF.
SET-NEWLINE 00000D0A-CHANGE?	
SET-LINESIZE 79-CHANGE?	Maximum line length for data transmission. Any decimal value 10-255.

### NOTE:

The  $\mu$ P Enable lines, the Bus Test address, and the Run UUT default address are pod-dependent, and are supplied to the 9010A by the interface pod that is connected.

# 9010A Reference Card



## FUNCTION OF REGISTERS

TYPE OF REGISTER	REGISTER	FUNCTION
Dedicated	A	Bit Mask
	B	ROM Signature
	C	STS/CTL Information
	D	Bit Number
	E	Data
	F	Address
Non-Dedicated	0	Read Probe Data
	1-9	Use assigned by operator or programmer.

### NOTES:

- Registers 0 through 7 are local registers. When an executing program calls (executes) another program, the contents of the local registers are saved and then the registers are set to 0. When program control returns to the original program, the saved values are restored to the local registers.
- Registers 8 through F are global registers and are unaffected by passing between called and calling programs. These registers can be used to pass information to and from subroutines.

P/N 609271  
 June 1981  
 Rev. 1 9/81

© 1981, John Fluke Mfg. Co., Inc., All rights reserved. Litho in U.S.A.

