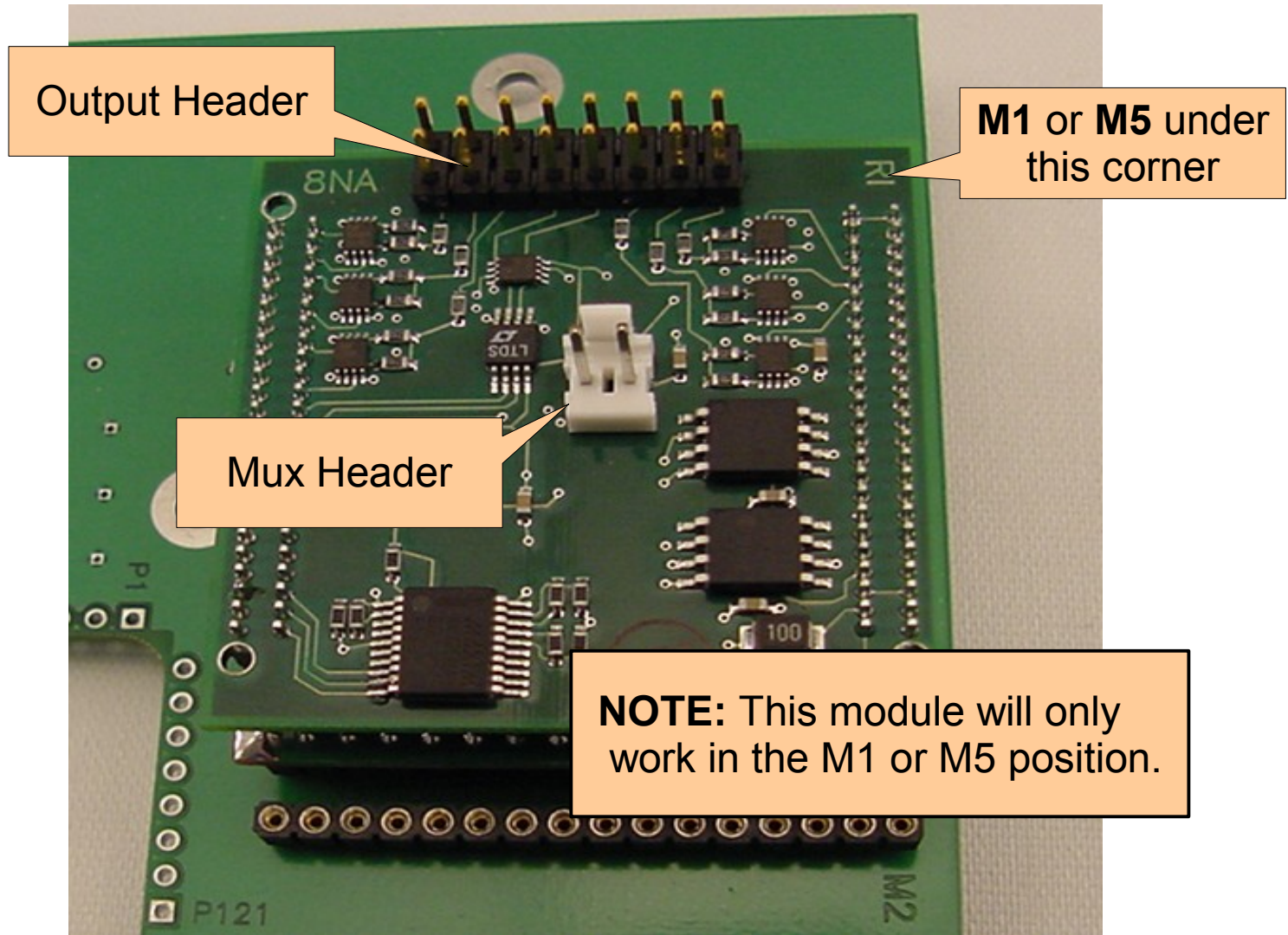




Module Installation RIK0127A High Speed Digital



Output Header

M1 or M5 under
this corner

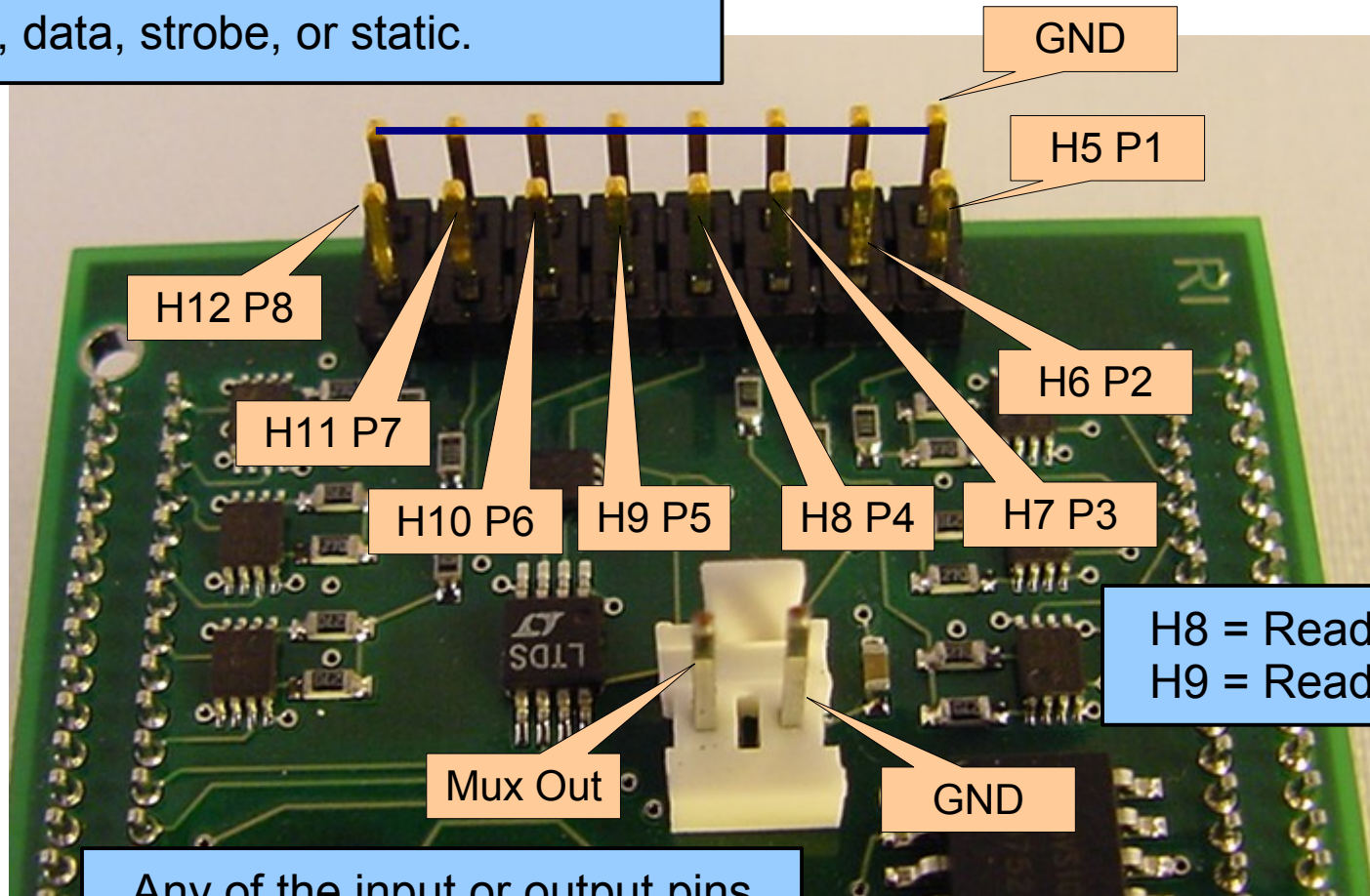
Mux Header

NOTE: This module will only
work in the M1 or M5 position.



Header Designations

H5 - H7 and H10 - H12 can be set for clock, data, strobe, or static.

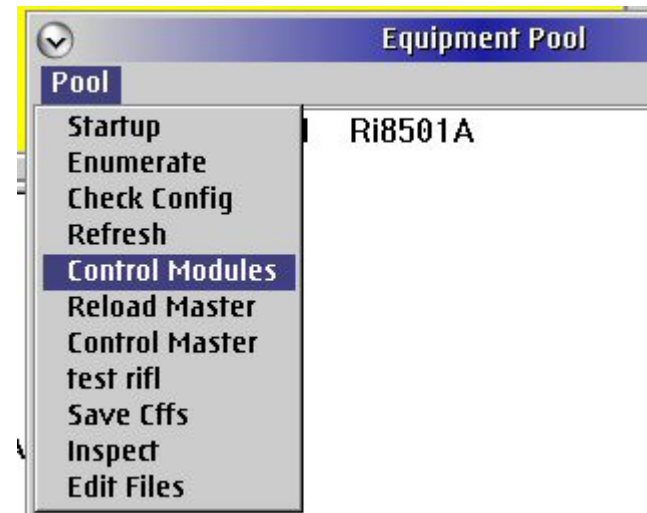


Any of the input or output pins can be routed to the mux pin.



Configuring the RIK0127A High Speed Digital Module

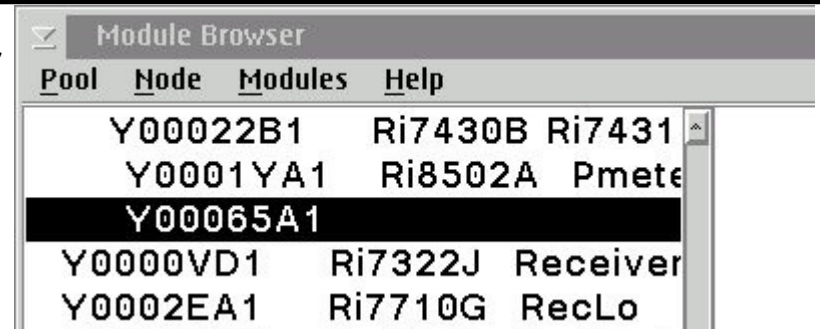
1. Perform a system startup and confirm that the fixture is automatically activated.
2. Go to the main Test Environment Window and select “Test” and from the pull down menu “Equip...”.
3. When the Equipment Pool window opens, select “Control Modules”
A “Module Browser” window will open.



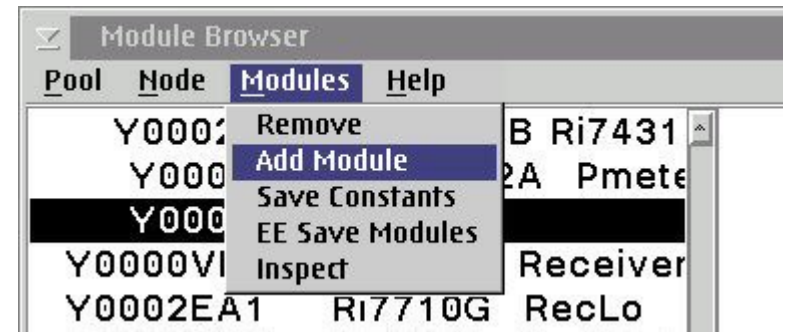


Adding the Module

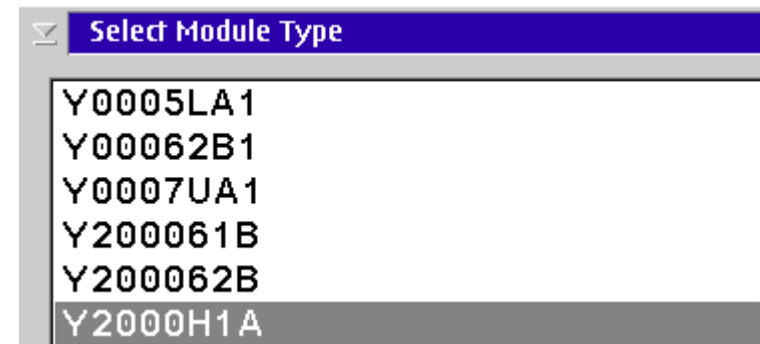
4. Scroll down the listing in the Module Browser and **highlight** “Y00065A1”.



5. Next go to the “Modules” selection on the main menu of this window and select “Add Module”.



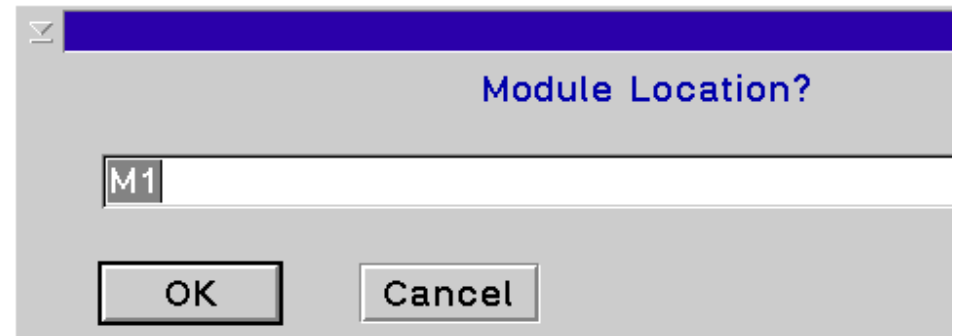
6. A selection window will pop up. Select “Y2000H1A” and then “Select”.





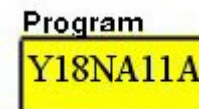
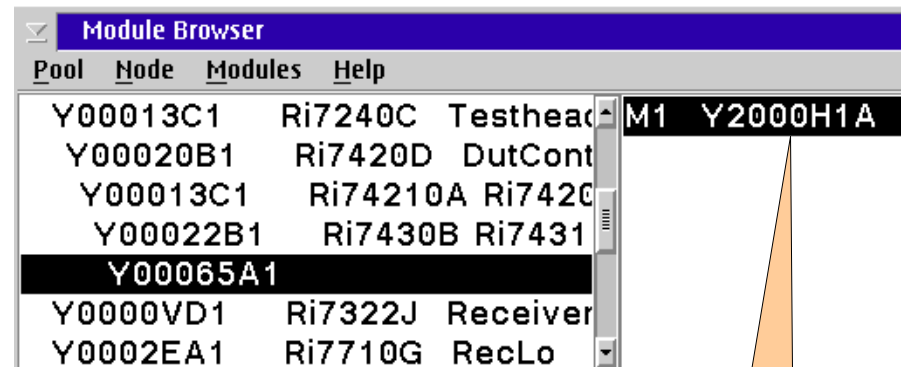
Adding the Module

- You will be prompted to provide the module location. Change the default location to “M5” if you are using the module in the M5 position. Leave it in the default state if you are using the M1 location on the carrier then select “OK” from the prompt.



NOTE: This module will only work in M1 or M5 locations!

- Highlight** the “M1 Y2000H1A” that will appear in the right hand column of the window. Several buttons will appear in the bottom half. Find the one named “Program”. Check to make sure it has Y18NA11A contained in its field.

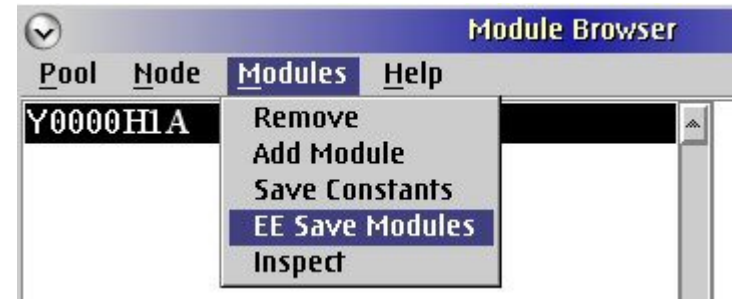




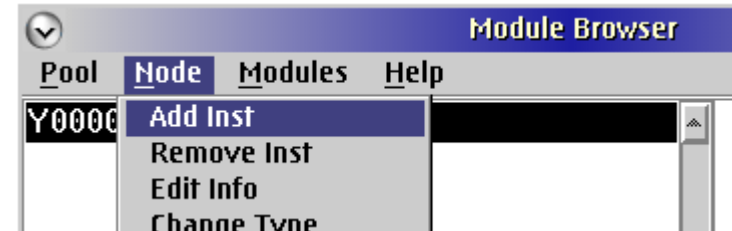
Saving The Module

Adding the Instrument

9. **Highlight** “Y00065A1” and “M1 Y2000H1A” in the Module Browser. Go to the Module Browser main menu and select “EE Save Modules”. Answer “Yes” to the prompt.

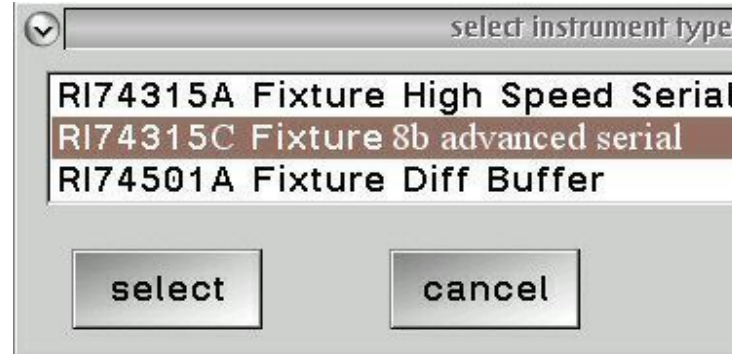


10. **Highlight** “Y00065A1” and “M1 Y2000H1A” in the Module Browser.



11. Go to the Module Browser main menu and select “Node” and then “Add Inst”.

12. Select “RI74315C” and then “select”.





Adding the Instrument

12. When prompted for the “Instrument Name” choose “OK”. This will allow the default “FixtureDigital1” to be entered.

13. You will then be prompted to enter the “Module Location Integer”. Enter 1 for M1 or 5 for M5 and select “OK”

NOTE: This module will only work in M1 or M5 locations!

14. **Highlight** “Y00065A1” and “M1 Y2000H1A” in the Module Browser.

15. Go to the Module Browser main menu and select “Node” and then “EE Save Node Info” from the pull down menu. Respond “Yes” to the prompt.

Instrument Name

FixtureDigital1

OK Cancel

Module Location Integer

1

OK Cancel

Module Browser

Pool	Node	Modules	Help
Y00065A1	Add Inst		
	Remove Inst		
	Edit Info		
	Change Type		
	Import Cff		
	Roll Serial Numbers		
	Save CFF		
	EE read Node Info		
	EE Save Node Info		



Checking The Changes

15. Close the Module Browser and the equipment pool windows and then perform a system startup.

Carrier and Instrument Number

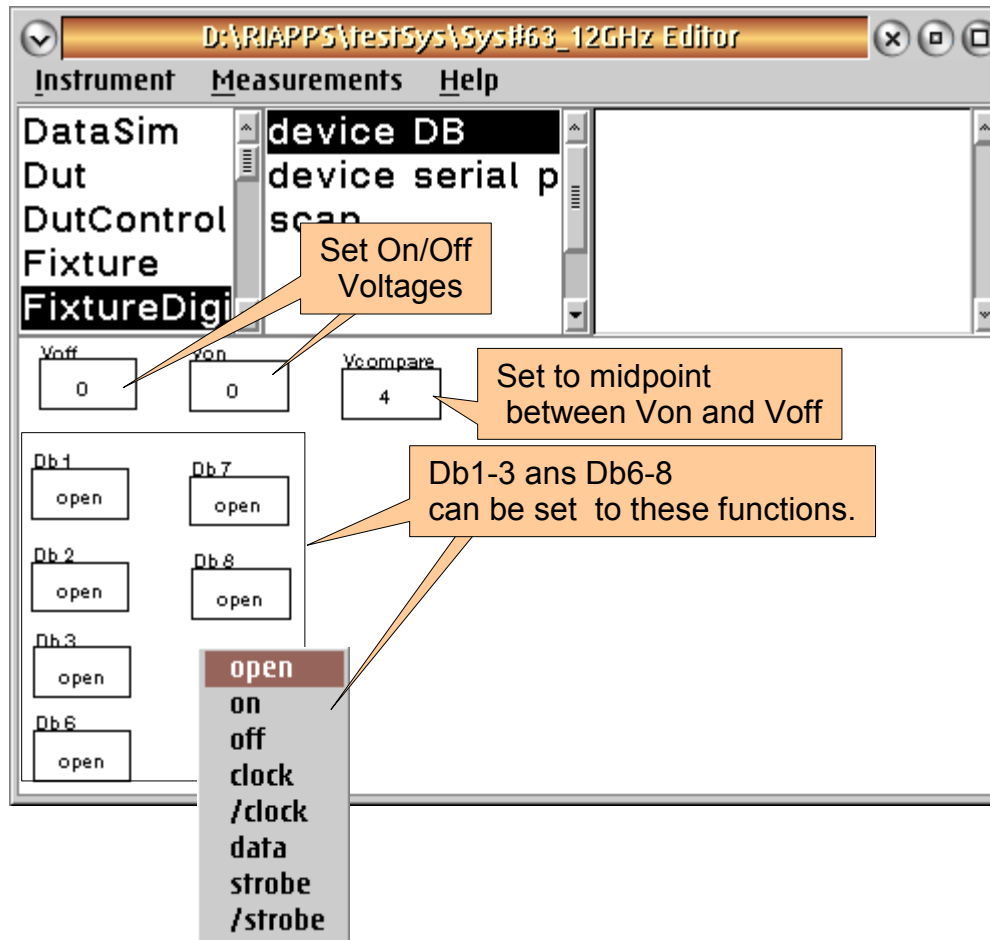
16. Deactivate the fixture and perform a system startup. Return to the Module Browser window and observe to see if the full configuration has been saved.

Pool	Node	Modules	Help
Y00013C1	Ri7240C	Testhead	M1 Y2000H1A
Y00020B1	Ri7420D	DutCont	
Y00013C1	Ri74210A	Ri7420	
Y00022B1	Ri7430B	Ri7431	
Y00065A1	Ri74315C		
Y0000VD1	Ri7322J	Receiver	
Y0002EA1	Ri7710G	RecLo	

The screenshot shows the 'Module Browser' window with a table of modules. An orange callout points to the 'M1 Y2000H1A' entry in the 'Help' column, labeled 'Module and Location'. Below the table, there are several configuration fields: 'DB.1' (off), 'Vlo' (0.0), 'Vneg' (0.0), 'Vector Frequency' (20000000.0), 'Vcomp' (0.0), 'Vhi' (0.0), 'Clock Frequency' (20000000.0), 'Program' (Y18NA11A), 'Location' (M1), 'Name' (M1), 'ScanLocationB', 'FailCountB', 'FailCountA', 'ScanLocation', 'LogicAnaA', and 'LogicAnaB'. An orange callout points to the 'Program' field, labeled 'Program Name'. Another orange callout points to the 'Location' and 'Name' fields, labeled 'Location/Name are equal'.

Module Buttons

Device DB





Module Buttons

Device Serial Patterns

The screenshot shows a software interface for configuring device serial patterns. The window title is "D:\RIAPPS\TestSys\System#63_12GHz Editor". The menu bar includes "Instrument", "Measurements", and "Help". The main area is divided into two panes. The left pane lists "DataSim", "Dut", "DutControl", "Fixture", and "FixtureDigi". The right pane shows a tree view with "device DB", "device serial p", and "scan". Below the panes, several configuration fields are visible: "Serial Type" (None), "Serial Size" (0), "Vector Type" (none), "Serial Read Size" (0), "Serial Read Start" (0), "Measure Mode" (None), "Measure Pin" (None), "Vector Clock Period" (25 n), and "Serial Write" (empty). Several callout boxes provide additional information: "DUT local None" points to the "Serial Type" field; "none Scan StdFormat Map" points to the "Vector Type" field; "Clock cycles before read start" points to the "Serial Read Start" field; "For local writes" points to the "Serial Write" field; "Read Monitor None" points to the "Measure Mode" field; and a list of "None DB1 DB2 DB3 DB4 DB5 DB6 DB7 DB8" points to the "Measure Pin" field.



Module Buttons Scan

normal
inverted

normal

off

on fail
on read

Results of scan on ReadA (Db4)

None
shiftDsp

None

Results of scan on ReadB (Db5)

-1.5
-1.0
-0.5
0
0.5
1.0
1.5
2.0
2.5

Clock pulses to skip before read