TestBench\_Top

Monitor class

Properties

1. Done
2. transaction t
3. run

Driver class

Properties

1. temp
2. opcode
3. CovPort
4. Transaction t
5. run

Virtual Interface

Mailbox

Mailbox

Transaction

Virtual Interface

NO

Fatal

Yes

Transaction

Randomize

DIN[9:0]  
Run

Generator

Scoreboard

1. Opcode
2. transaction t
3. Assertions

Environment

Test

Simple Processor (DUT)

Datapath Path

Controller Path

Interface