**Interface**

**driver**

**sequencer**

**Driver**

**sequencer**

**monitor**

**monitor**

**Scoreboard**

**gpio\_slave\_agent**

**gpio\_master\_agent**

**Slave\_sequence**

**Master\_sequencer**

**virtual\_sequence**

**Slave\_sequencer**

**master\_sequencer**

Virtual\_sequencer

**env**

**Top**

**Test**