

DriveMaster ATA/SATA Script Library Summary

Category	Script Outlines
SATA IF Protocol Tests	OOB BIST HBA Reset COMRESET Soft Reset R-ERR/R_OK Native Command Queuing Software Setting Preservation PHY Event Counter Host Initiated Power Management Device Initiated Power Management Asynchronous Signal Recovery Asynchronous Notification Port Multiplier
CAM Tests	ATA Command Protocol (ATA-8) All Transfer Modes (PIO/DMA/UDMA) Tests All Transfer Length Tests All LBA Tests Corner LBA Address Tests Command Combination Tests
Feature Tests	Hard Reset Tests Soft Reset Tests ATA Power Management Advanced Power Management Tests Identify Command 48-Bit Address Command Automatic Acoustic Management Feature Device Configuration Overlay Feature SMART Tests Tagged Command Queuing (TCQ) Streaming Feature Security Tests Host Protected Area CFA Feature Tests Media Card Tests SCT Feature Tests Long Sector Feature Tests General Purpose Logging Feature NV Cache
Performance Tests	Power-On Reset Time Spin-Up Time Read Data Rate Write Data Rate Seek Time Sequential Rate Random Rate Multiple Threads Queue Depth Plot Read/Write Queue vs. Non-Queue WinBench Simulation Office Simulation Boot Time Simulation Cache Flush Time Test NCQ and DMA Performance Compare

Regression Tests	Data Compare Random/Sequential/Butterfly/Triangular Command and Data Compare Queue Full/Empty Power Management and Random Compare Transfer Modes Regression
NCQ Tests	NCQ Basic Tests NCQ Performance Tests NCQ Regression Tests NCQ Error Injection Tests NCQ Reset Tests NCQ R_ERR Tests NCQ ECC Tests NCQ Orphan Tests NCQ Reorder Tests NCQ Auto Activate NCQ FUA Tests NCQ Duplicated Tag Tests NCQ Mixed with Non-Queue Commands