

Drive Master ATA Script Library Outlines

| Category | Outlines |
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| SATA IF Protocol Tests | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • ATA Command Protocol (ATA-7) • All Transfer Modes (PIO/DMA/UDMA) Tests • All Transfer Length Tests • All LBA Tests • Corner LBA Address Tests • Command Combination Tests |
| Feature Tests | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Power-On Reset Time • Spin-Up Time • Read Data Rate • Write Data Rate • Seek Time • Sequential Rate • Random Rate • Multiple Threads • Queue Depth Plot |

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| | <ul style="list-style-type: none">● Read/Write Queue vs. Non-Queue● WinBench Simulation● Office Simulation● Boot Time Simulation● Cache Flush Time Test● NCQ and DMA Performance Compare |
| Regression Tests | <ul style="list-style-type: none">● Data Compare● Random/Sequential/Butterfly/Triangular Command and Data Compare● Queue Full/Empty● Power Management and Random Compare● Transfer Modes Regression |
| NCQ Tests | <ul style="list-style-type: none">● 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 |