

SCSI Harbor Status



B. Sun

sgi

2/9/2000



Status Summary

- 15x backplane (1" drives) taped out
- Rotational Vibration testing underway
(separate presentation)
- Thermal testing with backplane
underway (separate presentation)
- First prototypes next gen wrapper
completed
- Fujitsu testing underway (Japan, M. Suwa)



Backplane Status

- 15 drive backplane
 - Files sent to Molex 1/20/00
 - prototypes expected back 2/25/00
- 10 drive backplane
 - PCAs received 11/4/99



Schedule

- Testing (round 1)
 - Preliminary 1.6” results 2/9/00
 - complete 1.6” results 3/9/00
- Design
 - Design review 3/9/00
 - Finalize design June 2000



Testing

- Thermal Testing
 - Backplane inclusion
- Rotational Vibration Testing
 - Emitted Shock & Vibration
 - Accelerance Measurements
 - Modal Testing
 - Throughput Testing



Next gen wrapper

- Presently ‘spring’ is part of casting
- Next iteration spring to be separate attached clip
- Potentially incorporate constrained layer damping material between wrapper and dock



Drive Receipt

- IBM - received 6 of 6 sets
- Hitachi - received 2 of 2 sets
- Seagate * - received 6 of 6 sets
- Fujitsu - performing testing in Japan
- Quantum - awaiting drives
- Western Digital - ??



Drive Information Required

- Required drive information:
 - VCM measurement information
 - Drive c.g. (center of gravity)
 - Drive moment of inertia (w.r.t. x, y, z axes)
 - Actuator pivot to head distance
 - K_t (VCM torque constant)
 - error rejection curve information



Goals for Next Review

- March 9, Dallas, TX
- Present testing results
 - Complete suite of thermal tests
 - Full 1.6” drive RV results
 - Fujitsu to present results
- Incorporate results in redesign