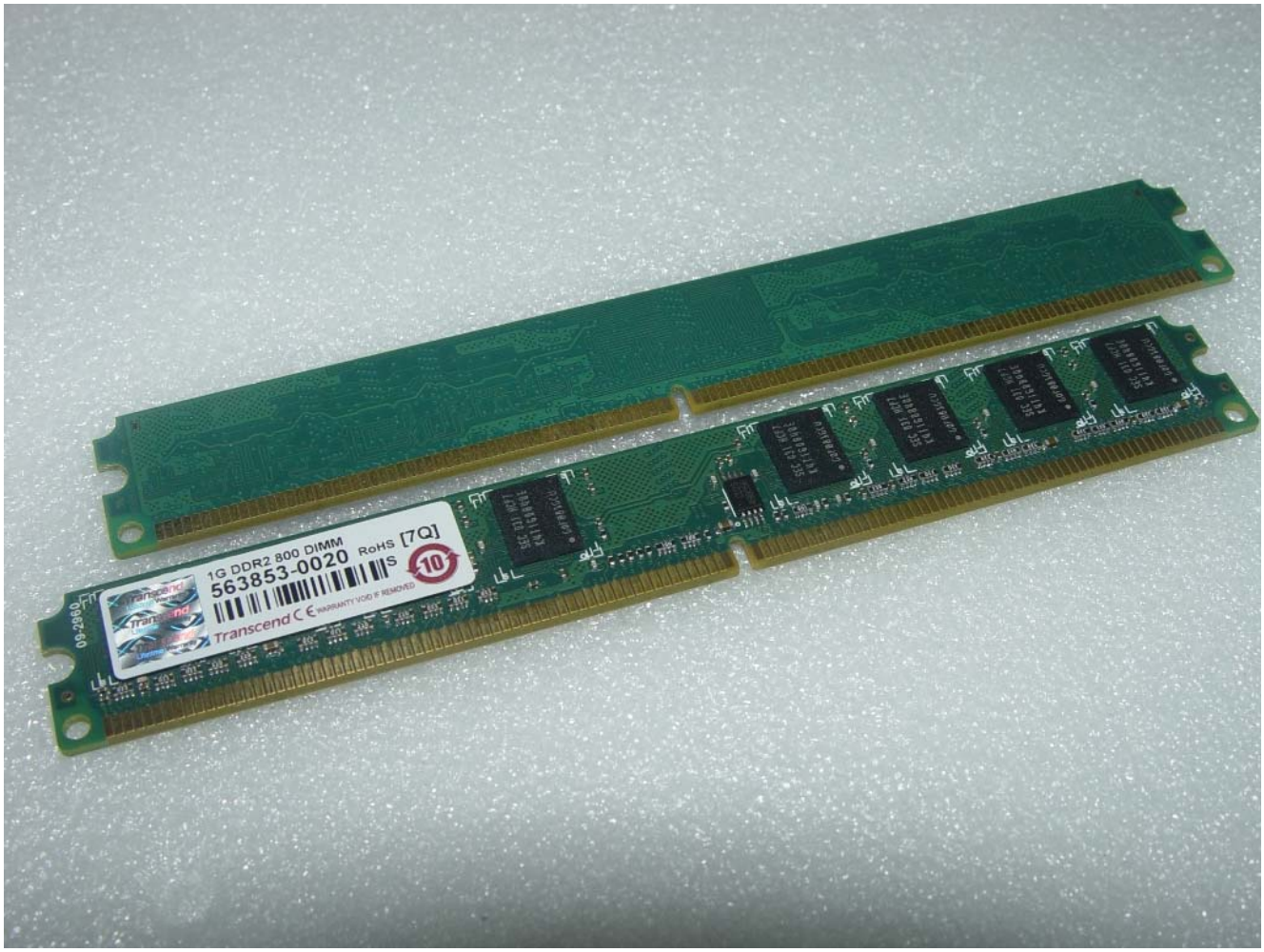
96D2-1G800NN-TRL1

Test Report

Test Requestor	Jocy.Lin	**Job Title**		**Release Date**	2010-10-22
Testing Engineer	Jier.liu	**Job Title**		**Revision**	V1.0
Approved by	Sophie.Song	**Job Title**		**Release Status**	Formal Release

1. Product Information:

Advantech Part Number	**96D2-1G800NN-TRL1**
Manufacturer	**Transcend**
Part Number	**TS128MLQ64V8U**
Memory Chip	**SEC K4T1G084QE 128Mx8**
ECC&REG	**NO ECC&REG**
Description	**240PIN DDR2 800 Unbuffered DIMM 0.72”** **1024MB With 128Mx8 CL6**
Dimension	**133.35x18.3x1.27(mm)**
RoHS Status (Yes/No)	**YES**
Product Photo	



2. Test Software

1) CPU-Z Test;
2) MemTest86+V4.00;
3) SiSoftware Sandra Lite 2009.SP4;
4) PCMark05 V1.20;
5) Power on/off test;
6) Burn_inV6.0.

3. Test Criteria

1) Windows xp/7 can be installed and boot into OS properly;
2) BIOS and OS should show the correct Memory size;
3) In single channel, run Power on/off 10 times, successful boot rate 100% in every DIMM socket;
4) In dual channel and full loading, run Power on/off 10 times, successful boot rate 100% in every combination DIMM socket;
5) MemTest86+V4.00 should show the correct Memory size;
6) CPU-Z of SPD can be detecting the correct Memory information;
7) And different frequencies, FSB, core, Mfg. Tech of CPU(contains the min and max of frequency, FSB),run MemTest86+ V4.00 3 Cycles No error(memory full loading); run burn in V6.0 for 3H,set CPU/2D/3D/Memory loading 100%, ,then the result should be Passed (dual channel for two memory);
8) Run SiSoftware Sandra Lite 2009.SP4 and PCMark05 V1.20, record the benchmark score;
9) Memory in full loading ,run power on off 100 times， successful boot rate 100%.
10) Memory in full loading, run Burn_inV6.0 for 12H, set CPU/2D/3D/Memory loading 100%; the result should be passed.

4. Test Result

Test Platform	Core Chipset	CPU information	Testing Result	Note
PCE-5124	Q35 GMCH+ICH9DO	Core2 Quad Q6600(2.40GHZ) FSB:1066	PASS	
		Core2 Duo E8500(3.16GHZ) FSB:1333	PASS	
		Pentium Dual-Core E2140 (1.6GHZ) FSB:800	PASS	
		Celeron 440(2.0GHZ) FSB:800	PASS	
PCE-5020	945GC+ICH7R	Core2 Duo 6400 (2.13GHz) FSB:1066	PASS	
		Pentium Dual-Core E2180(2.0GHZ) FSB:800	PASS	
		Celeron D 336 (2.80GHz) FSB:533	PASS	
		P4 631 (3.0GHZ) FSB:800	PASS	
PCE-5130	945GME+ICH7M-DH	Core2 Duo Mobile T7400 2.16GHZ FSB:667	PASS	
		Core Solo Celeron® M 440 1.86GHZ FSB:533	PASS	
		Core DUO T2500 2.00GHZ FSB:667	PASS	
		Core Solo T1300 1.66GHZ FSB:667	PASS	
PCA-6010	945GC+ICH7	Intel® Core™2 Duo E7300(2.66GHZ) FSB:1066	PASS	
		Core™2 Duo 6300 (1.86GHz) FSB:1066	PASS	
		PD820 (2.8GHZ) FSB:800	PASS	
		P4 524 (3.06GHZ) FSB:533	PASS	
AIMB-562	945G + ICH7	Intel Core2 Duo E6600(2.40GHZ)FSB:1066	PASS	
		PD945 (3.4GHZ) FSB:800	PASS	
		P4 506 (2.66GHz)FSB:533	PASS	
		Celeron D 352 (3.2GHz)FSB:533	PASS	
PCA-6009	915GV+ICH6	P4 651 (3.4GHZ)FSB:800	PASS	
		Celeron D 341 (2.93GHz)FSB:533	PASS	
		P4 524 (3.06GHZ)FSB:533	PASS	

5. Appendix

NA