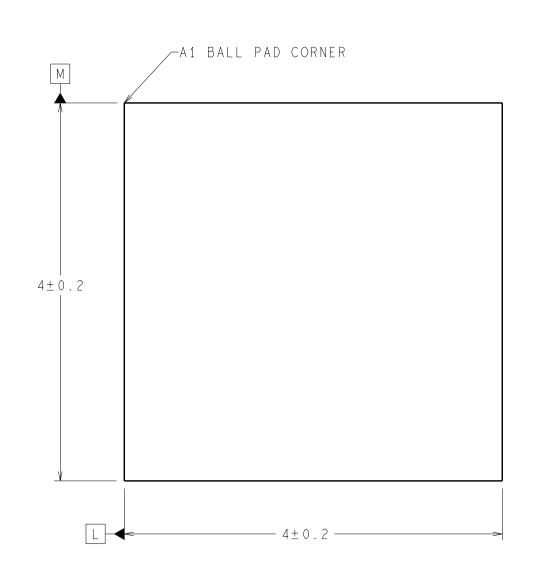
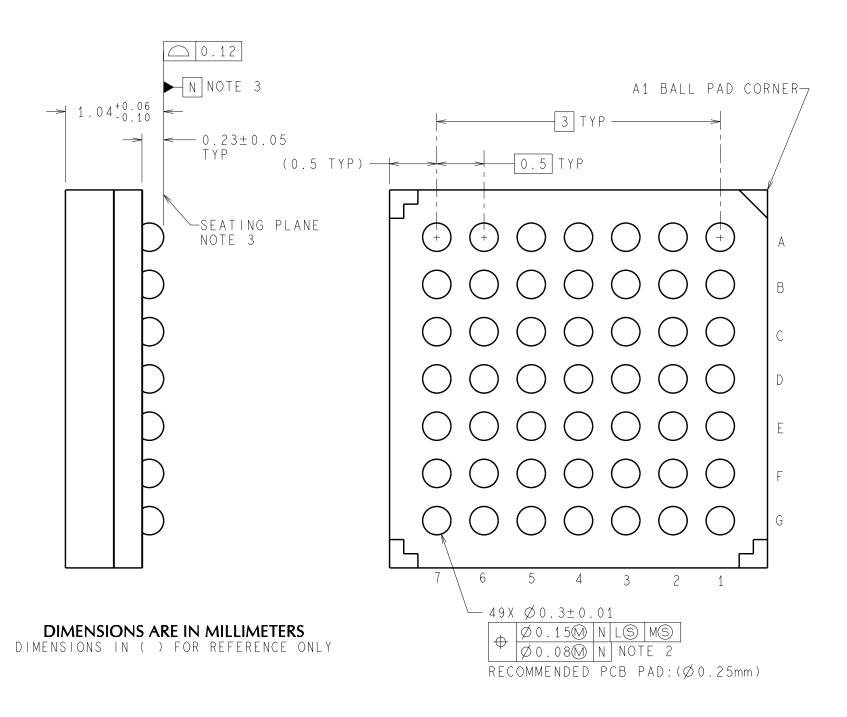
	REVISIONS							
REV	DESCRIPTION	E.C.N.	DATE	BY/APP'D				
Α	RELEASE TO DOCUMENT CONTROL	1370	03/12/2004	MS/AP				
В	DIM 1.04 +0.06/-0.10 WAS 1±0.1; UPDATE NOTE 4 & TITLE.	1514	07/20/2004	MS/AP				
С	DIM 0.23 ±0.05 WAS 0.2±0.05; RECOMMENDED PCB PAD: (0.25mm) WAS (0.3mm); UPDATE JEDEC NOTE 4.	2220	12/05/2006	MS/AP				
D	DIM 1.04 WAS 1.07; UPDATE JEDEC NOTE 4.	2354	07/09/2007	EL/MS/EL				





NOTES: UNLESS OTHERWISE SPECIFIED

- 1. FOR SOLDER BALL COMPOSITION, SEE "SOLDER INFORMATION" IN THE PACKAGING SECTION OF THE NATIONAL SEMICONDUCTOR WEB PAGE (www.national.com).
- 2. DIMENSION MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM N.
- 3. PRIMARY DATUM N AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
- 4. NO JEDEC REGISTRATION AS OF JULY 2007.

APPROVALS DRAWN MARTA SUCHY	DATE 03/12/2004	National Semiconductor 2900 Semiconductor Dr. Santa Clara, CA 95052-8090					
DFTG. CHK. MARTA SUCHY 07/09/2007 ENGR. CHK. EUGENE LEE 07/09/2007		UFBGA,PLASTIC, LAMINATE,4x4x1mm, 49 BALL,0.5mm PITCH					
PROJECTION		SCALE	SIZE	DRAWING NUMBER		REV	
		NTS	В		-SLH49A	D	
ММ	FORMERLY: N/A		SHEET 1 of 1				