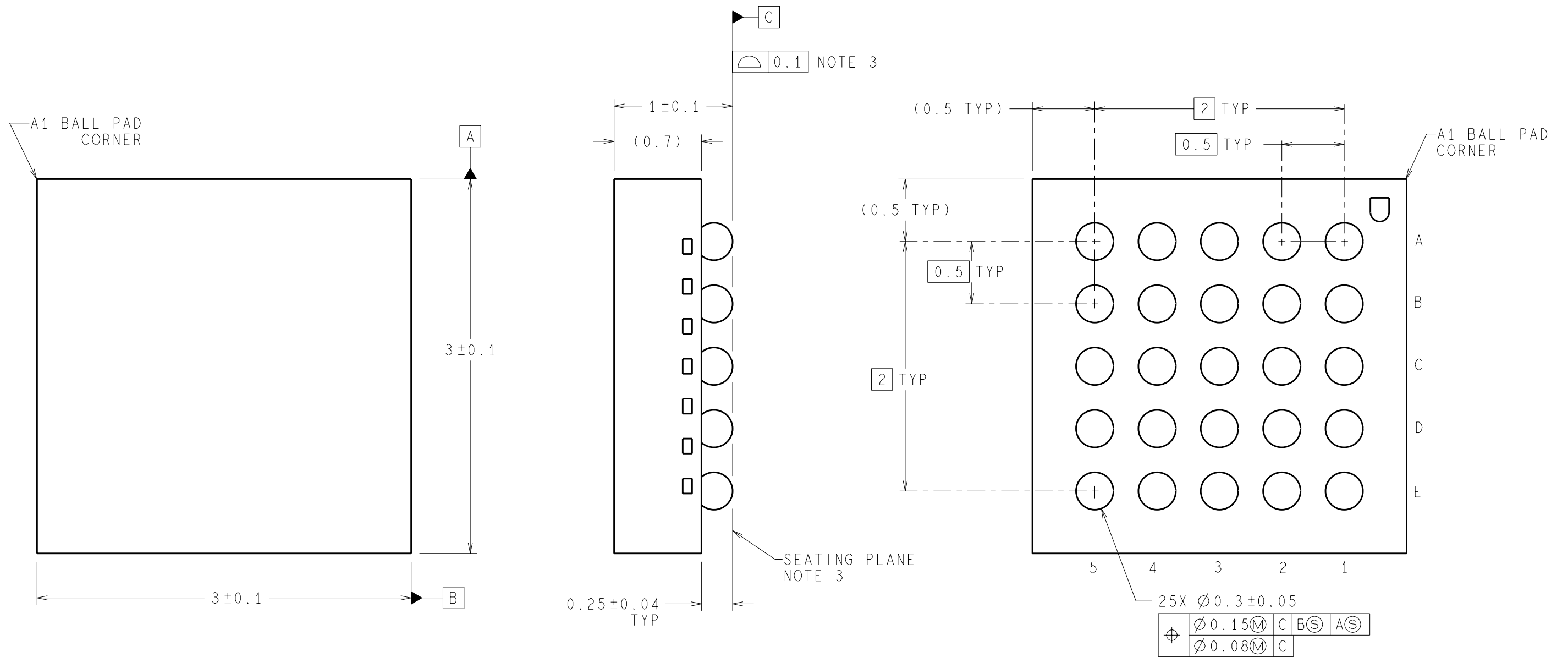


REVISIONS				
REV	DESCRIPTION	E.C.N.	DATE	BY/APP'D
A	RELEASE TO DOCUMENT CONTROL	1385	03/15/2004	MS/AP



DIMENSIONS ARE IN MILLIMETERS
 DIMENSIONS IN () FOR REFERENCE ONLY

NOTES: UNLESS OTHERWISE SPECIFIED

- FOR SOLDER BALL COMPOSITION, SEE "SOLDER INFORMATION" IN THE PACKAGING SECTION OF THE NATIONAL SEMICONDUCTOR WEB PAGE (www.national.com).
- DIMENSION MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM C.
- PRIMARY DATUM C AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
- NO JEDEC REGISTRATION AS OF MARCH 2004.

APPROVALS		DATE	 National Semiconductor 2900 Semiconductor Dr., Santa Clara, CA 95052-8090			
DRAWN	MARTA SUCHY	03/15/2004				
DFTG. CHK.	THANH LEQUANG	03/15/2004				
ENGR. CHK.	ASHOK PRABHU	03/15/2004				
PROJECTION MM			SCALE	SIZE	DRAWING NUMBER	REV
			NTS	B	(SC)MKT-GRA25A	A
			FORMERLY: X-01974r1		SHEET 1 of 1	