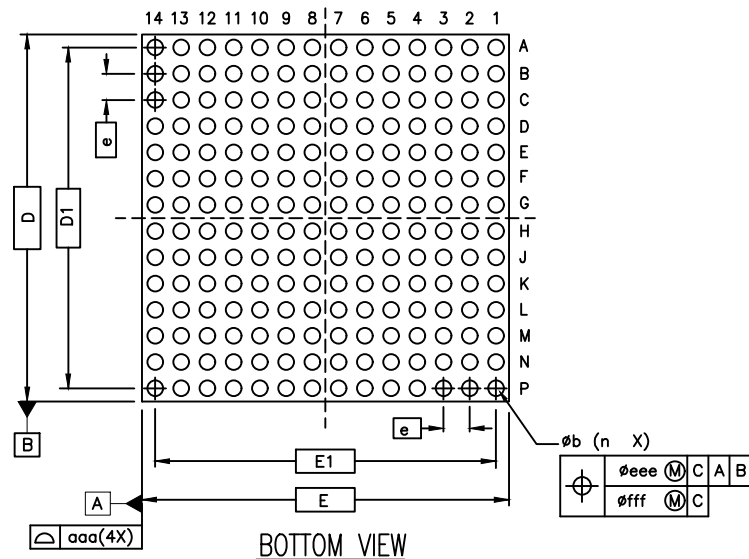
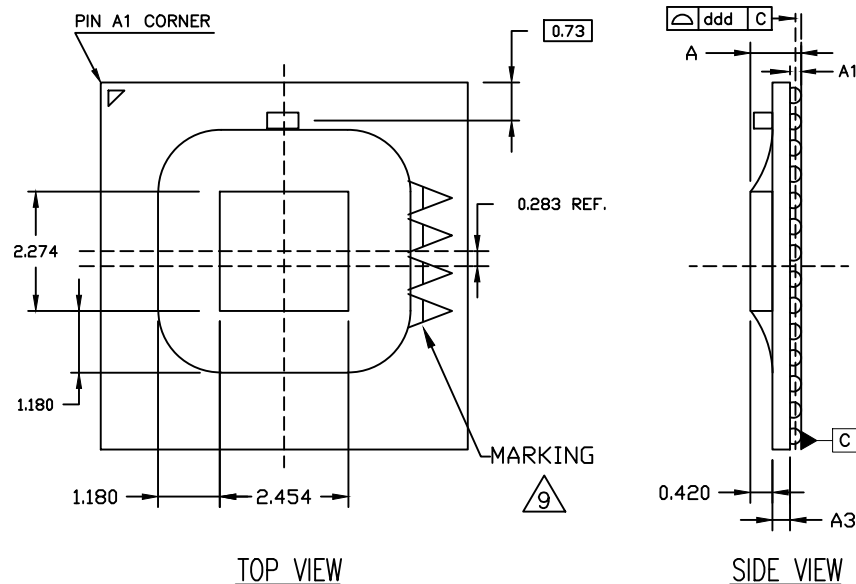


NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1994.
3. MATERIAL MUST BE COMPLIANT WITH MAXIM SPECIFICATION 10-0131 FOR SUBSTANCE CONTENT, MUST BE EU ROHS COMPLIANT WITHOUT EXEMPTION AND PB-FREE.
4. DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM $\square$.
5. PRIMARY DATUM $\square$ AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
6. PARALLELISM MEASUREMENT SHALL EXCLUDE ANY EFFECT OF MARK ON TOP SURFACE OF PACKAGE.
7. DIMENSION 'ddd' IS MEASURED PARALLEL TO PRIMARY DATUM $\square$.
8. 'N' IS THE NUMBER OF ATTACHED SOLDER BALLS.
9. MARKING SHOWN IS FOR PKG. ORIENTATION ONLY.
10. ALL DIMENSIONS APPLY TO PbFREE (+) PKG. CODE ONLY.
11. PACKAGE CODE: X19677F-1

DIMENSIONAL REFERENCES			
REF.	MIN.	NOM.	MAX.
A	0.870	0.970	1.070
A1	0.16	--	0.260
A3	0.340 REF		
b	0.270	--	0.370
D	7.000 BSC		
D1	6.500 BSC		
E	7.000 BSC		
E1	6.500 BSC		
e	0.650 BSC		
aaa	0.100		
bbb	--		
ddd	0.080		
eee	0.150		
fff	0.080		
N	196		



TITLE:
PACKAGE OUTLINE, 196 BALLS FCBGA,
7x7x0.97 mm

APPROVAL	DOCUMENT CONTROL NO. 21-0736	REV. B	1/1
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—DRAWING NOT TO SCALE—