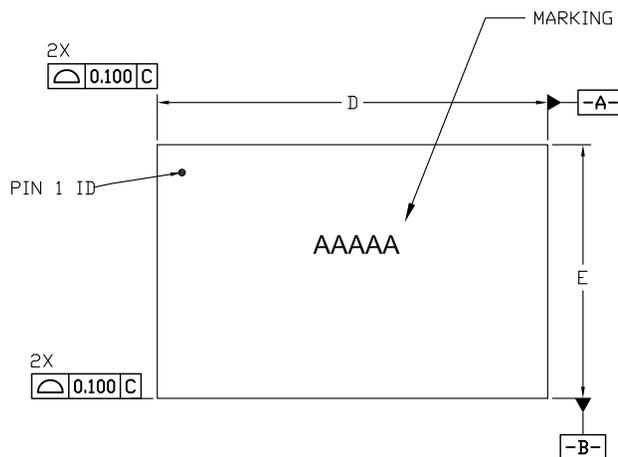
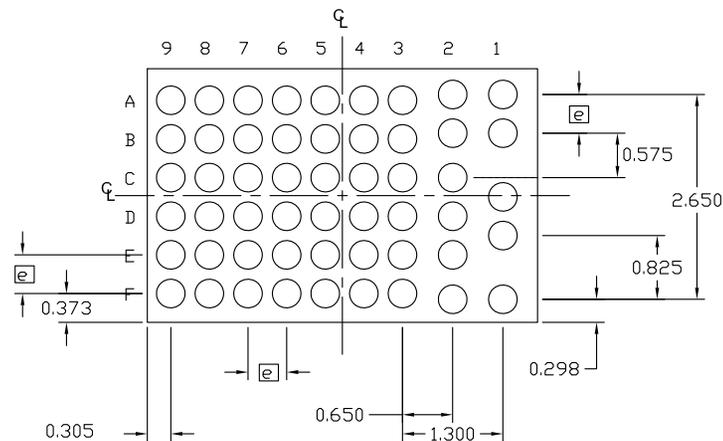


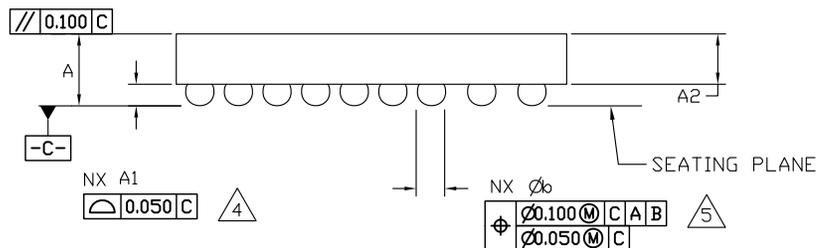
TOP VIEW



BOTTOM VIEW



SIDE VIEW



DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.880	0.930	0.980	0.035	0.037	0.039
A1	0.250	0.280	0.300	0.010	0.011	0.012
A2	0.630	0.650	0.680	0.025	0.026	0.027
b	0.340	0.370	0.400	0.013	0.015	0.016
D	5.004	5.054	5.104	0.198	0.199	0.201
E	3.232	3.282	3.332	0.127	0.129	0.131
e	0.500 BSC			0.020 BSC		
MD	9 BALLS			9 BALLS		
ME	6 BALLS			6 BALLS		
N	53 BALLS			53 BALLS		

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. MD IS THE BALL MATRIX SIZE IN THE "D" DIRECTION, ME IS THE BALL MATRIX SIZE IN THE "E" DIRECTION, AND N IS THE TOTAL NUMBER OF BALLS FOR THE MATRIX SIZE MD X ME AND DOES NOT INCLUDE BALLS FROM ANY DEPOPULATED LOCATIONS.
3. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994.
4. PRIMARY DATUM C (SEATING PLANE) IS DEFINED BY THE CROWNS OF THE SOLDER BALLS.
5. DIMENSION b IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER IN A PLANE PARALLEL TO DATUM C.
6. THERE SHALL BE A MINIMUM CLEARANCE OF 0.10MM BETWEEN THE EDGE OF THE BUMP AND THE BODY EDGE.
7. MARKING SHOWN IS FOR PKG. ORIENTATION PURPOSE ONLY.
8. MATERIAL MUST COMPLY WITH BANNED AND RESTRICTED SUBSTANCES SPEC #10-0131.
9. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND P6BFREE (+) PKG. CODES.
10. PKG. CODE: C535A3+1 , C535A3-1

-DRAWING NOT TO SCALE-



TITLE:
PACKAGE OUTLINE, 53 BALLS
WLCSP PKG. 0.50mm PITCH

APPROVAL	DOCUMENT CONTROL NO. 21-0947	REV. B	1/1
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