

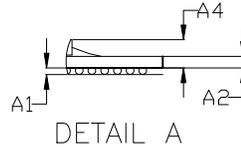
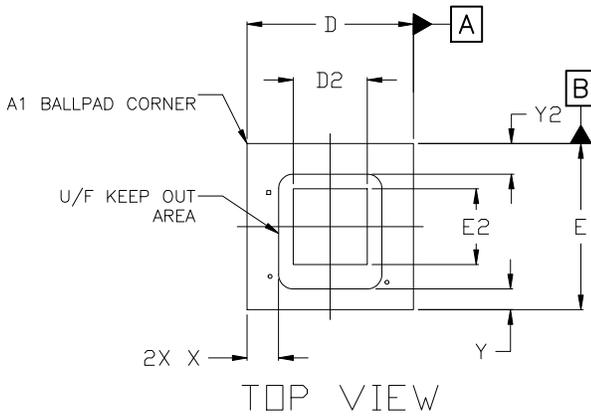
MECHANICAL CASE OUTLINE PACKAGE DIMENSIONS

ON Semiconductor®



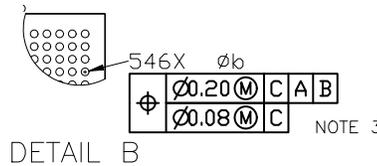
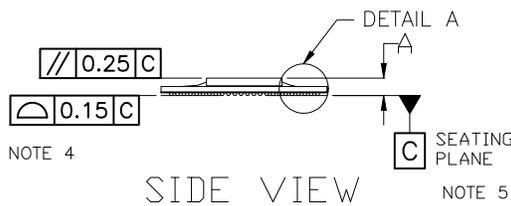
FCBGA546 17x17x1.93 CASE 489BH ISSUE O

DATE 24 JUL 2019

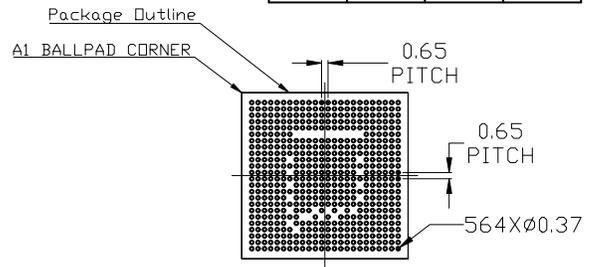
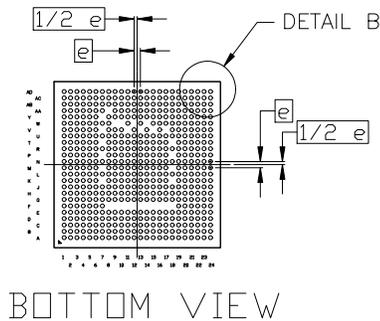


NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2009.
2. CONTROLLING DIMENSION: MILLIMETERS
3. DIMENSION *b* IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER PARALLEL TO DATUM C.
4. COPLANARITY APPLIES TO THE SPHERICAL CROWNS OF THE SOLDER BALLS.
5. DATUM C, THE SEATING PLANE, IS DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.



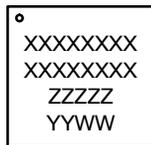
DIM	MILLIMETERS		
	MIN.	NOM.	MAX.
A	1.65	1.79	1.93
A1	0.29	0.34	0.39
A2	0.59 REF		
A4	1.36	1.45	1.54
<i>b</i>	0.35	0.40	0.45
D	16.90	17.00	17.10
D2	7.56 REF		
E	16.90	17.00	17.10
E2	7.74 REF		
<i>e</i>	0.65 BSC		
X	3.17	3.22	3.27
Y	2.08	2.13	2.18
Y2	3.08	3.13	3.18



RECOMMENDED MOUNTING FOOTPRINT

* For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERM/D.

GENERIC MARKING DIAGRAM*



XXXX = Specific Device Code
ZZZ = Assembly Lot Code
YY = Year
WW = Work Week

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "•", may or may not be present. Some products may not follow the Generic Marking.

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