

MECHANICAL CASE OUTLINE

PACKAGE DIMENSIONS

ON Semiconductor®

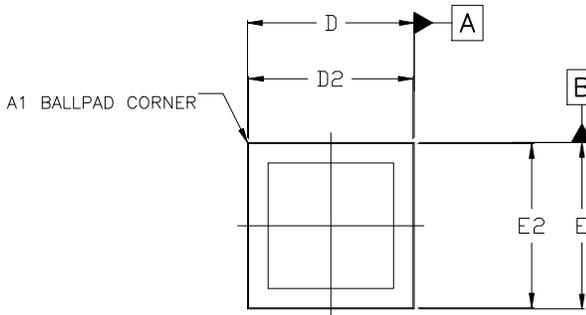


FCLBGA546 17x17x2.54

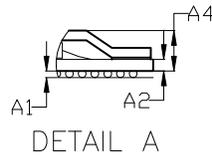
CASE 489BP

ISSUE O

DATE 31 JUL 2019



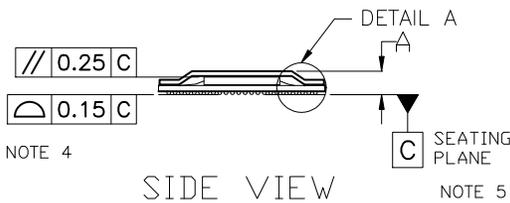
TOP VIEW



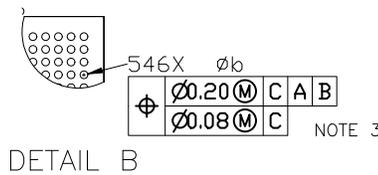
DETAIL A

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.

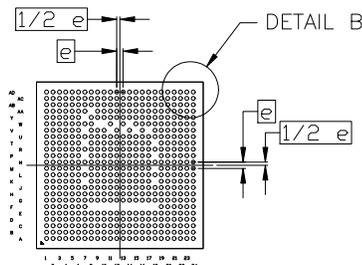


SIDE VIEW

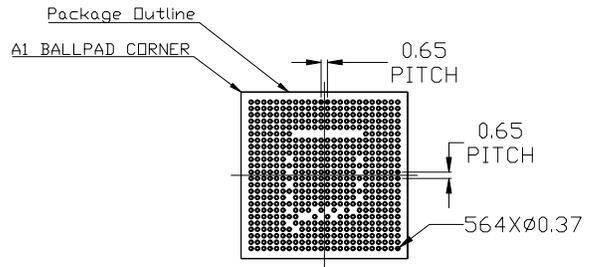


DETAIL B

DIM	MILLIMETERS		
	MIN.	NOM.	MAX.
A	2.28	2.41	2.54
A1	0.29	0.34	0.39
A2	0.59 REF		
A4	1.99	2.07	2.15
b	0.35	0.40	0.45
D	16.90	17.00	17.10
D2	16.70	16.80	16.90
E	16.90	17.00	17.10
E2	16.70	16.80	16.90
e	0.65 BSC		



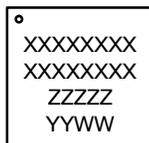
BOTTOM VIEW



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, SOLDERRM/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 "μ", may or may not be present. Some products may not follow the Generic Marking.

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