

# MECHANICAL CASE OUTLINE PACKAGE DIMENSIONS

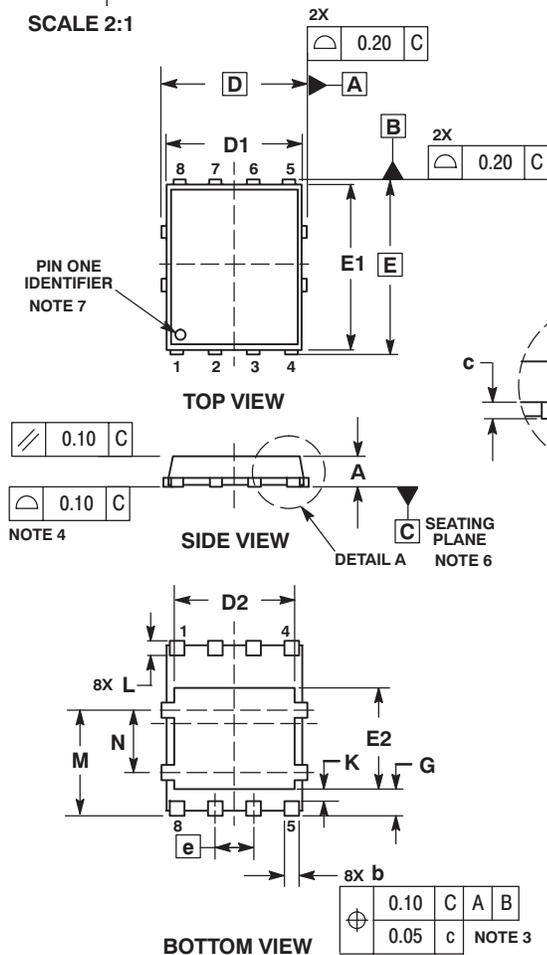
ON Semiconductor®



SCALE 2:1

## DFN8 5x6, 1.27P CASE 506BQ ISSUE C

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NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. DIMENSION b APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN 0.15 AND 0.30 MM FROM THE TERMINAL TIP.
4. PROFILE TOLERANCE APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINAL.
5. DIMENSION D1 AND E1 DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS.
6. SEATING PLANE IS DEFINED BY THE TERMINALS. A1 IS DEFINED AS THE DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT ON THE PACKAGE BODY.
7. A VISUAL INDICATOR FOR PIN 1 MUST BE LOCATED IN THIS AREA.

MILLIMETERS		
DIM	MIN	MAX
A	0.90	1.10
A1	---	0.05
b	0.33	0.51
c	0.20	0.33
D	5.15 BSC	
D1	4.50	5.10
D2	3.90	4.30
E	6.15 BSC	
E1	5.50	6.10
E2	3.00	3.50
e	1.27 BSC	
G	0.80	1.20
h	---	12 °
K	0.20	---
L	0.51	0.71
M	3.25	3.75
N	1.80	2.20

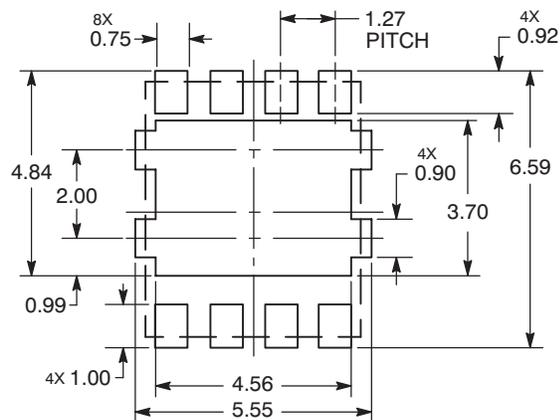
### GENERIC MARKING DIAGRAM\*



XXXXXX= Specific Device Code  
 A = Assembly Location  
 Y = Year  
 W = Work Week  
 ZZ = Lot Traceability

\*This information is generic. Please refer to device data sheet for actual part marking.

### SOLDERING FOOTPRINT\*



DIMENSION: MILLIMETERS

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

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<b>NEW STANDARD:</b>		
<b>DESCRIPTION:</b>	DFN8 5X6, 1.27P	<b>PAGE 1 OF 2</b>

