

# MECHANICAL CASE OUTLINE

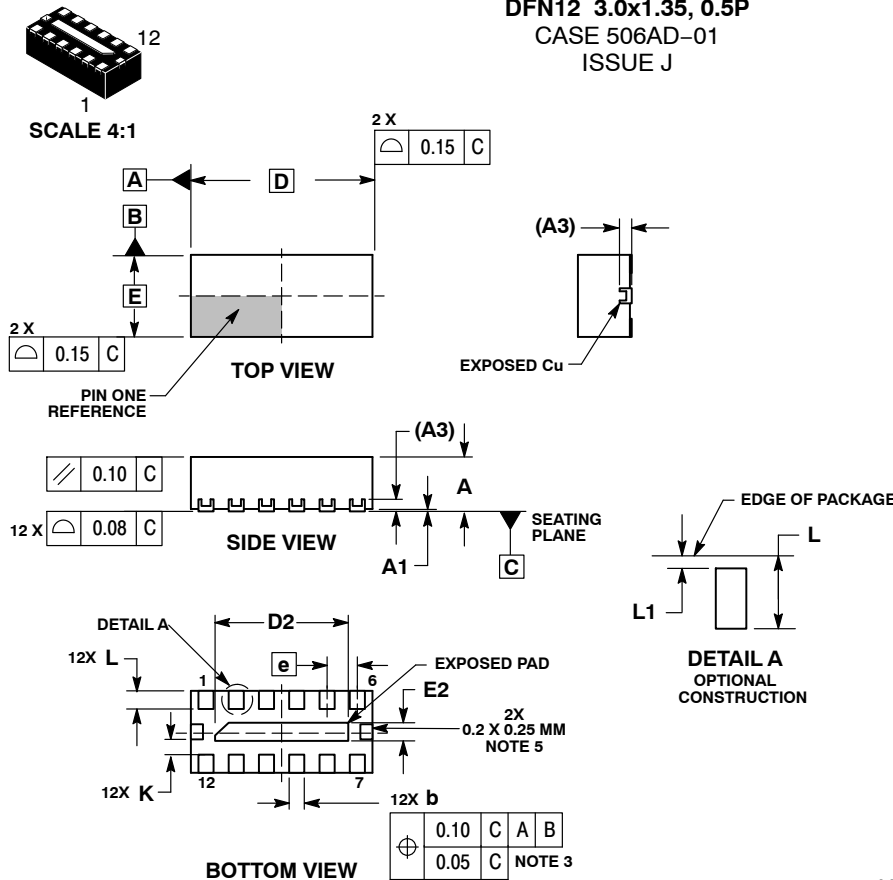
## PACKAGE DIMENSIONS

ON Semiconductor®



**DFN12 3.0x1.35, 0.5P**  
CASE 506AD-01  
ISSUE J

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- NOTES:
- DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
  - CONTROLLING DIMENSION: MILLIMETER.
  - DIMENSION b APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN 0.25 AND 0.30 MM FROM TERMINAL.
  - COPLANARITY APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINALS.
  - EXPOSED PADS CONNECTED TO DIE FLAG. USED AS TEST CONTACTS.

DIM	MILLIMETERS	
	MIN	MAX
A	0.80	1.00
A1	0.00	0.05
A3	0.20	REF
b	0.18	0.30
D	3.00 BSC	
D2	2.10	2.30
E	1.35 BSC	
E2	0.20	0.40
e	0.50 BSC	
K	0.20	---
L	0.20	0.40
L1	0.00	0.15

### GENERIC MARKING DIAGRAM\*

- XXXX = Specific Device Code
- M = Month Code
- = Pb-Free Package

(Note: Microdot may be in either location)

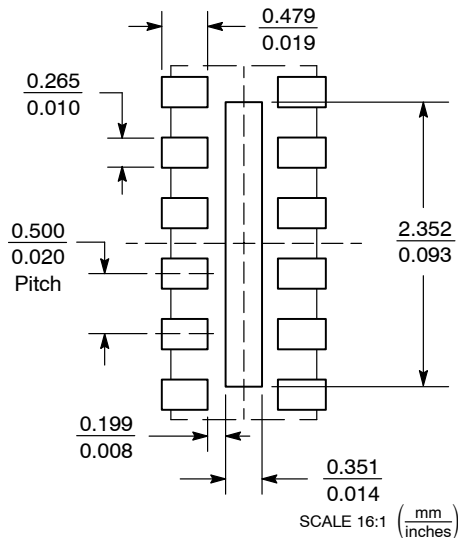
\*This information is generic. Please refer to device data sheet for actual part marking.

Pb-Free indicator, "G" or microdot "▪", may or may not be present.

#### STYLE 1:

- PIN 1. ANODE 1
- 2. ANODE 2
- 3. ANODE 3
- 4. ANODE 4
- 5. ANODE 5
- 6. ANODE 6
- 7. ANODE 7
- 8. ANODE 8
- 9. ANODE 9
- 10. ANODE 10
- 11. ANODE 11
- 12. ANODE 12

### SOLDERING 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.

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<b>DESCRIPTION:</b>	<b>DFN12 3.0x1.35, 0.5 MM PITCH</b>	<b>PAGE 1 OF 1</b>

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