

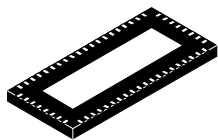
# MECHANICAL CASE OUTLINE PACKAGE DIMENSIONS

ON Semiconductor®

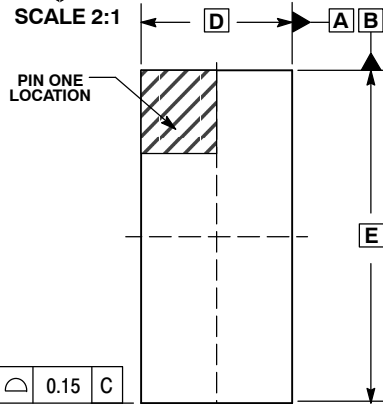


WQFN56 5x11, 0.5P  
CASE 510AK-01  
ISSUE A

DATE 02 MAR 2010



SCALE 2:1



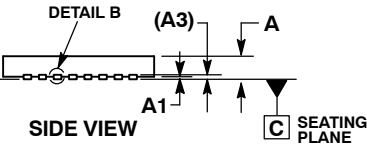
$\overline{\text{C}}$	0.15	C
$\overline{\text{C}}$	0.15	C

TOP VIEW

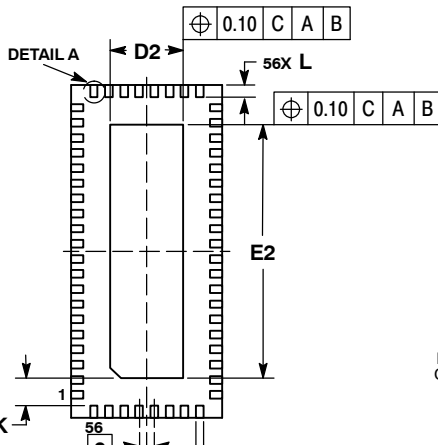
$\overline{\text{C}}$	0.10	C
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$\overline{\text{C}}$	0.08	C
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NOTE 4



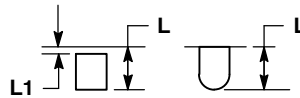
SIDE VIEW



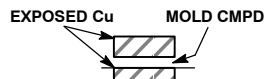
BOTTOM VIEW

$\overline{\text{C}}$	0.10	C	A	B
$\overline{\text{C}}$	0.05	C		

NOTE 3



DETAIL A  
ALTERNATE  
CONSTRUCTIONS



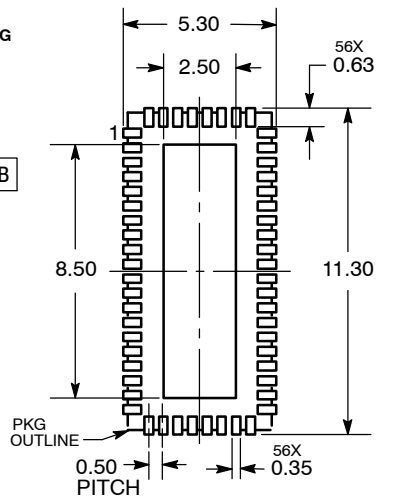
DETAIL B  
ALTERNATE  
CONSTRUCTION

NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
2. CONTROLLING DIMENSIONS: MILLIMETERS.
3. DIMENSION b APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN 0.15 AND 0.30mm FROM THE TERMINAL TIP.
4. COPLANARITY APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINALS.

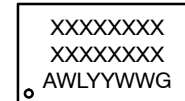
DIM	MILLIMETERS	
	MIN	MAX
A	0.70	0.80
A1	---	0.05
A3	0.20	REF
b	0.20	0.30
D	5.00	BSC
D2	2.30	2.50
E	11.00	BSC
E2	8.30	8.50
e	0.50	BSC
K	0.20	MIN
L	0.30	0.50
L1	---	0.15

RECOMMENDED  
SOLDERING FOOTPRINT



DIMENSIONS: MILLIMETERS

GENERIC  
MARKING DIAGRAM\*



- XXXXXX = Specific Device Code
- A = Assembly Location
- WL = Wafer Lot
- YY = Year
- WW = Work Week
- G = Pb-Free Package

\*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G", may or not be present.

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STATUS:	ON SEMICONDUCTOR STANDARD	
NEW STANDARD:		
DESCRIPTION:	WQFN56 5x11, 0.5P	PAGE 1 OF 2



ISSUE	REVISION	DATE
O	RELEASED FOR PRODUCTION. REQ. BY R. PERINA.	16 SEP 2009
A	CHANGED DIMENSION L VALUES TO 0.30 & 0.50. CORRECTED GENERIC MARKING DIAGRAM INFORMATION. REQ. BY J. LIU.	02 MAR 2010

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