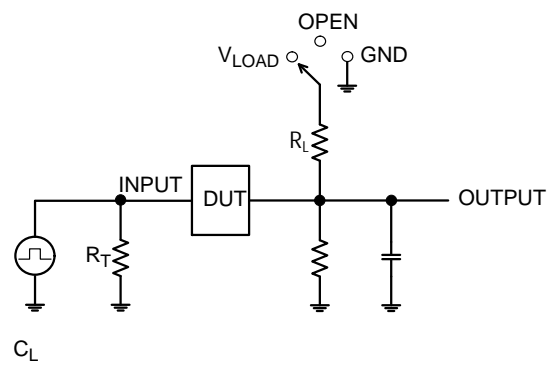


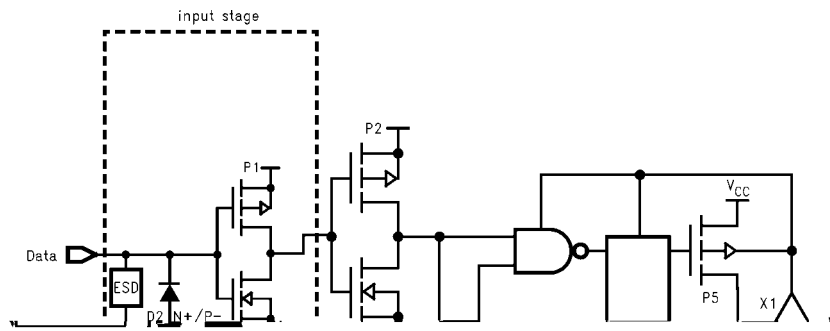
NOTE: Please note that this diagram is provided only for the understanding of logic operations and should not be used to estimate propagation delays.

$V_{CC}$	DC Supply Voltage		-0.5 to +6.5	V
$V_I$	DC Input Voltage (Note 1)		-0.5 to +6.5	V
$V_O$	DC Output Voltage (Note 1)	Active-Mode (High or Low State) Tri-State Mode Power-Down Mode ( $V_{CC} = 0$ V)	-0.5 to $V_{CC} + 0.5$ -0.5 to +6.5 -0.5 to +6.5	V
$I_{IK}$	DC Input Diode Current	$V_I < \text{GND}$	-50	mA
$I_{OK}$	DC Output Diode Current	$V_O < \text{GND}$	-50	mA
$I_O$	DC Output Source/Sink Current			

$V_{CC}$	Supply Voltage	Operating Data Retention Only	1.65 1.5	3.3 3.3	5.5 5.5	V
$V_I$	Digital Input Voltage		0	-	5.5	V
$V_O$	Output Voltage	Active Mode (High or Low State) Tri-State Mode Power Down Mode ( $V_{CC} = 0\text{ V}$ )	0 0 0	- - -	$V_{CC}$ 5.5 5.5	V
$T_A$	Operating Free-Air Temperature		-40	-	+125	°C
$t_r, t_f$	Input Rise or Fall Rate		$V_{CC} = 1.65\text{ V to }1.95\text{ V}$ $V_{CC} = 2.3\text{ V to }2.7\text{ V}$ $V_{IN}$ from 0.8 V to 2.0 V, $V_{CC} = 3.0\text{ V}$ $V_{CC} = 4.5\text{ V to }5.5\text{ V}$			







			†
74LCX138BQX	LCX138	WQFN-16 (Pb-Free)	3000 Units / Tape & Reel
74LCX138MX	LCX138	SOIC-16 (Pb-Free)	2500 Units / Tape & Reel
74LCX138MTCX	LCX 138	TSSOP-16 (Pb-Free)	2500 Units / Tape & Reel

†For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, [BRD8011/D](#).

**WQFN16 3.5x2.5, 0.5P**  
CASE 510CC  
ISSUE O

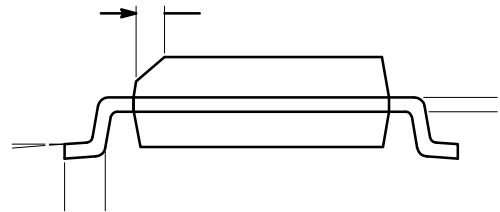
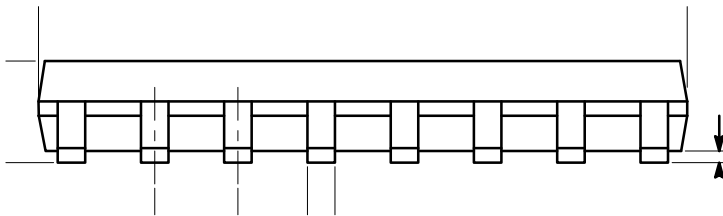
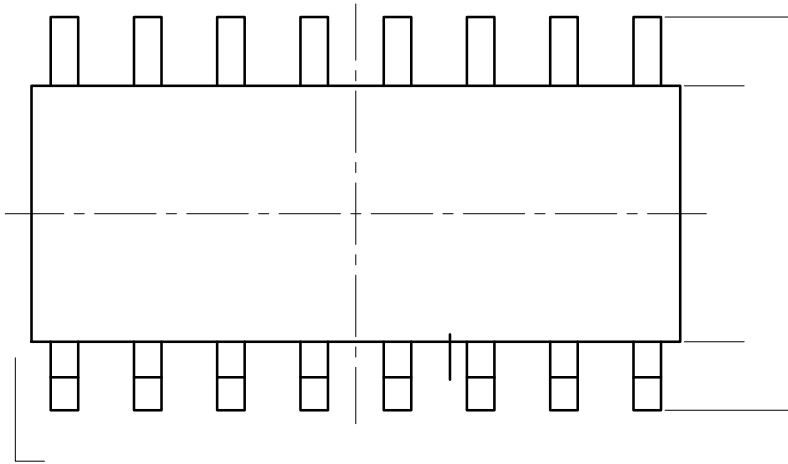
DATE 31 AUG 2016

B. DIMENSIONS ARE IN MILLIMETERS. ·



SOIC-16, 150 mils  
CASE 751BG  
ISSUE O

DATE 19 DEC 2008



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<b>DESCRIPTION:</b>	<b>SOIC-16, 150 mils</b>	<b>PAGE 1 OF 1</b>

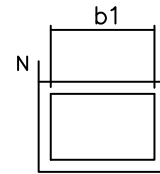
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TSSOP 16  
CASE 948AH  
ISSUE O

DATE 19 SEP 2008

SEE DETAIL "A" 0.19  
0.09

4.30



THIS TABLE FOR

S Y M B O L	MIN.		
A			
A <sub>1</sub>	0.05		
A <sub>2</sub>		J	0.95
b			0.30
b <sub>1</sub>			0.25
c			0.20
c <sub>1</sub>			0.16
D			
E <sub>1</sub>			4.50
C		0.65 BSC	
E		6.40 BSC	
L		0.60	0.70

SEE VARIATIONS  
| ——— | 8°

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