

**Figure 1. Connection Diagram
(Pin Assignment for SOIC, SOP, SSOP, and TSSOP)**

74LCX245

ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Condition	Value	Unit
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)	-0.5 to V _{CC} + 0.5	V
		Tri-State Mode	-0.5 to +6.5	
		Power-Down Mode (V _{CC} = 0 V)	-0.5 to +6.5	
I _{IK}	DC Input Diode Current	V _{IN} < GND	-50	mA
I _{OK}	DC Output Diode Current	V _{OUT} < GND	-50	mA
I _O	DC Output Source/Sink Current		±50	mA
I _{CC} or I _{GND}	DC Supply Current per Supply Pin or Ground Pin		±100	mA
T _{STG}	Storage Temperature Range		-65 to +150	°C
T _L	Lead Temperature, 1 mm from Case for 10 secs		260	°C
T _J	Junction Temperature under Bias		+150	°C
θ _{JA}	Thermal Resistance (Note 2)	WQFN20	99	°C/W
		TSSOP-20	150	
P _D	Power Dissipation in Still Air	WQFN20	1256	mW
		TSSOP-20	833	
MSL	Moisture Sensitivity		Level 1	-
F _R	Flammability Rating	Oxygen Index: 28 to 34	UL 94 V-0 @ 0.125 in	-
V _{ESD}	ESD Withstand Voltage (Note 3)	Human Body Model	2000	V
		Charged Device Model	N/A	

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

1. For more information on this parameter, please refer to the Absolute Maximum Ratings section of the 74LCX245 datasheet.

74LCX245

DC ELECTRICAL CHARACTERISTICS

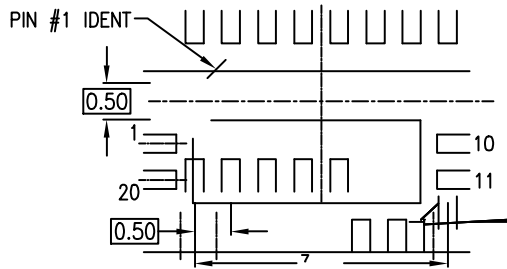
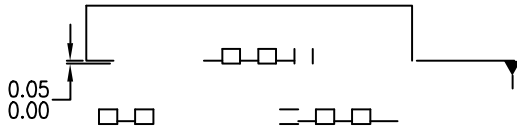
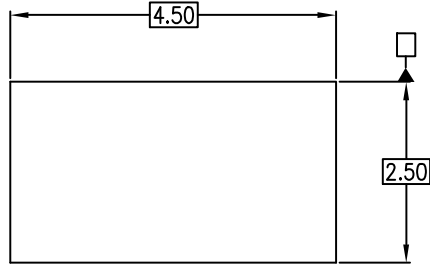
Symbol	Parameter	Conditions	V	T _A = 40°C to +85°C	T _A = 40°C to +125°C	
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				4.5 to 5.5	–	5.0	–	5.0		
t _{PZH} , t _{PZL}	Output Enable Time, OE to O	See Figures 5 and 6	1.65 to 1.95	–	13.0	–	13.0	ns		
			2.3 to 2.7	–	10.5	–	10.5			
			2.7	–	9.5	–	9.5			
			3.0 to 3.6	–	8.5	–	8.5			
			4.5 to 5.5	–	7.0	–	7.0			
t _p	isable E to O	See Figures 5 and 6	1.65 to 1.95	–	11.0	–	11.0	ns		
			2.3 to 2.7	–	9.0	–	9.0			
			2.7	–	8.5	–	8.5			
			3.0 to 3.6	–	7.5	–	7.5			
				4.5 to 5.5	–	6.0	–	6.0		
t _{OSHL} , t _{OSLH}	Output to Output Skew (Note 5)		1.65 to 1.95							

74LCX245

WQFN20 4.5x2.5, 0.5P
CASE 510CD
ISSUE O

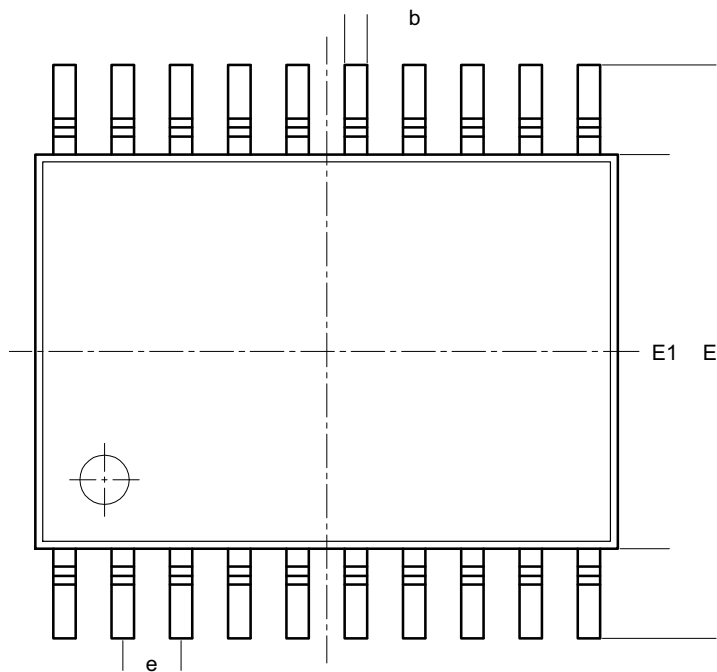
DATE 31 AUG 2016



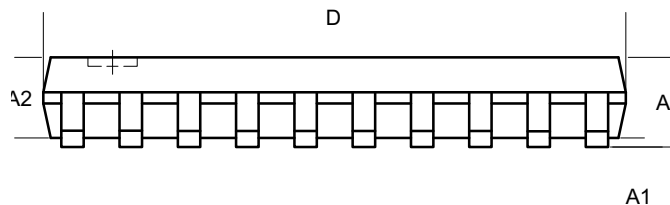
B. DIMENSIONS ARE IN MILLIMETERS.
C. DIMENSIONS AND TOLERANCES

TSSOP20, 4.4x6.5
CASE 948AQ
ISSUE A

DATE 19 MAR 2009

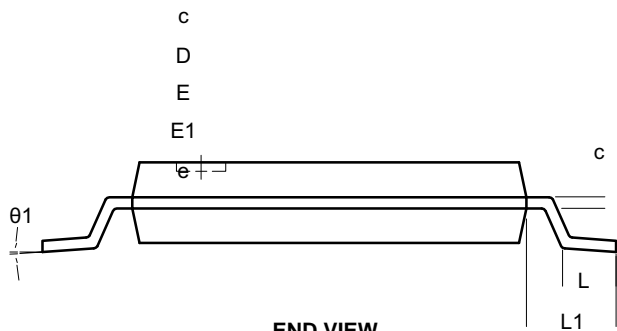


TOP VIEW



SIDE VIEW

SYMBOL	MIN	NOM	MAX
A			
A1			
A2			
b			
c			
D			
E			
E1			
e			
L1E1A2			
θ			



END VIEW

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