

Table 1. Truth Table

Clock	Reset Output State				
ıγ	LLΗ	No Change Advance to Next State All Outputs are Low			

X = Don't Care

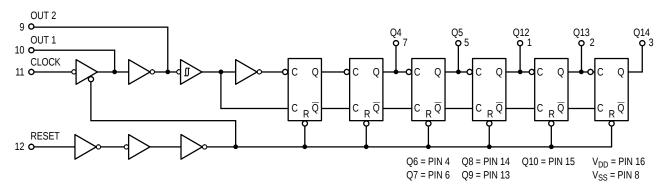
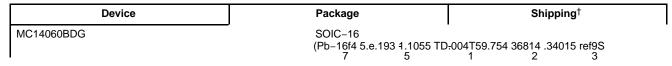


Figure 1. Logic Diagram

ORDERING INFORMATION



C Q

R

MC14060B

ELECTRICAL CHARACTERISTICS (Voltages Referenced to V_{SS})

				55	5°C	25°C		125°C			
Symbol	ool Characteristic		V _{DD} Vdc	Min	Max	Min	Typ (Note 2)	Max	Min	Max	Unit
V _{OL}	Output Voltage V _{in} = V _{DD} or 0	"0" Level	5.0 10 15	- - -	0.05 0.05 0.05	- - -	0 0 0	0.05 0.05 0.05	- - -	0.05 0.05 0.05	V
V _{OH}	V _{in} = 0 or V _{DD}	"1" Level	5.0 10 15	4.95 9.95 14.95	- - -	4.95 9.95 14.95		-	-	•	

MC14060B

SWITCHING CHARACTERISTICS ($C_L = 50 \text{ pF}, T_A = 25^{\circ}C$)

Symbol	Characteristic	V _{DD} Vdc	Min	Typ (Note 5)	Max	Unit
t _{TLH}	Output Rise Time (Counter Outputs)	5.0 10 15	- - -	40 25 20	200 100 80	ns
t _{THL}	Output Fall Time (Counter Outputs)	5.0 10 15	- - -	50 30 20	200 100 80	ns
t _{PLH} t _{PHL}	Propagation Delay Time Clock to Q4	5.0 10 15	- - -	415 175 125	740 300 200	ns
	Clock to Q14	5.0 10 15	- - -	1.5 0.7 0.4	2.7 1.3 1.0	μS
t _{wH}	Clock Pulse Width	5.0 10 15	100 40 30	Uni47 65	599 .9781 ref	BT8 0 0 8

MC14060B

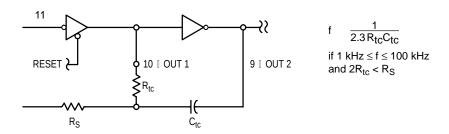


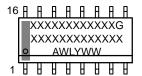
Figure 3. Oscillator Circuit Using RC Configuration

SOIC-16 9.90x3.90x1.50 1.27P CASE 751B ISSUE L

SOIC-16 9.90x3.90x1.50 1.27PCASE 751B ISSUE L

DATE 29 MAY 2024

GENERIC MARKING DIAGRAM*

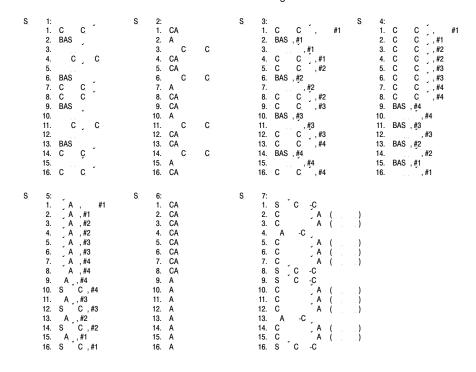


XXXXX = Specific Device Code

A = Assembly Location

WL = Wafer Lot
 Y = 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" or microdot "•", may or may not be present. Some products may not follow the Generic Marking.



DOCUMENT NUMBER:	98ASB42566B	Electronic versions are uncontrolled except when accessed directly from the Document Reposit Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.				
DESCRIPTION:	SOIC-16 9.90X3.90X1.50 1.27P		PAGE 2 OF 2			

onsemi and ONSEMI are trademarks of Semiconductor Components Industries, LLC dba onsemi or its subsidiaries in the United States and/or other countries. onsemi reserves the right to make changes without further notice to any products herein. onsemi makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. onsemi does not convey any license under its patent rights nor the rights of others.



TSSOP-16 WB CASE 948F ISSUE B

DATE 19 OCT 2006

SCALE 2:1

