



Is Now Part of



ON Semiconductor®

To learn more about ON Semiconductor, please visit our website at
www.onsemi.com

Please note: As part of the Fairchild Semiconductor integration, some of the Fairchild orderable part numbers will need to change in order to meet ON Semiconductor's system requirements. Since the ON Semiconductor product management systems do not have the ability to manage part nomenclature that utilizes an underscore (_), the underscore (_) in the Fairchild part numbers will be changed to a dash (-). This document may contain device numbers with an underscore (_). Please check the ON Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.onsemi.com. Please email any questions regarding the system integration to Fairchild_questions@onsemi.com.

ON Semiconductor and the ON Semiconductor logo are trademarks of Semiconductor Components Industries, LLC dba ON Semiconductor or its subsidiaries in the United States and/or other countries. ON Semiconductor owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of ON Semiconductor's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. ON Semiconductor reserves the right to make changes without further notice to any products herein. ON Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does ON Semiconductor 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. Buyer is responsible for its products and applications using ON Semiconductor products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by ON Semiconductor. "Typical" parameters which may be provided in ON Semiconductor data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. ON Semiconductor does not convey any license under its patent rights nor the rights of others. ON Semiconductor products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use ON Semiconductor products for any such unintended or unauthorized application, Buyer shall indemnify and hold ON Semiconductor and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that ON Semiconductor was negligent regarding the design or manufacture of the part. ON Semiconductor is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

NC7WP125

TinyLogic® ULP Buffer with 3-STATE Output

General Description

The NC7WP125 is a dual buffer with 3-STATE output from Fairchild's Ultra Low Power (ULP) series of TinyLogic®. Ideal for applications where battery life is critical, this product is designed for ultra low power consumption within the V_{CC} operating range of 0.9V to 3.6V.

The internal circuit is composed of a minimum of inverter stages, including the output buffer, to enable ultra low static and dynamic power.

The NC7WP125, for lower drive requirements, is uniquely designed for optimized power and speed, and is fabricated with an advanced CMOS technology to achieve best in class speed operation while maintaining extremely low CMOS power dissipation.

Features

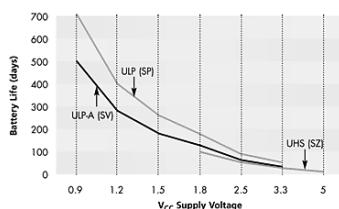
- 0.9V to 3.6V V_{CC} supply operation
- 3.6V overvoltage tolerant I/O's at V_{CC} from 0.9V to 3.6V
- t_{PD}
 - 3 ns typ for 3.0V to 3.6V V_{CC}
 - 4 ns typ for 2.3V to 2.7V V_{CC}
 - 5 ns typ for 1.65V to 1.95V V_{CC}
 - 6 ns typ for 1.40V to 1.60V V_{CC}
 - 10 ns typ for 1.10V to 1.30V V_{CC}
 - 26 ns typ for 0.90V V_{CC}
- Power-Off high impedance inputs and outputs
- Static Drive (I_{OH}/I_{OL})
 - ±2.6 mA @ 3.00V V_{CC}
 - ±2.1 mA @ 2.30V V_{CC}
 - ±1.5 mA @ 1.65V V_{CC}
 - ±1.0 mA @ 1.40V V_{CC}
 - ±0.5 mA @ 1.10V V_{CC}
 - ±20 μ A @ 0.9V V_{CC}
- Uses patented Quiet Series™ noise/EMI reduction circuitry
- Ultra small MicroPak™ Pb-Free package
- Ultra low dynamic power

Ordering Code:

Order Number	Package Number	Product Code Top Mark	Package Description	Supplied As
NC7WP125K8X	MAB08A	P125	8-Lead US8, JEDEC MO-187, Variation CA 3.1mm Wide	3k Units on Tape and Reel
NC7WP125L8X	MAC08A	Y9	Pb-Free 8-Lead MicroPak, 1.6 mm Wide	5k Units on Tape and Reel

Pb-Free package per JEDEC J-STD-020B.

Battery Life vs. V_{CC} Supply Voltage



TinyLogic ULP and ULP-A with up to 50% less power consumption can extend your battery life significantly.

Battery Life = $(V_{battery} * I_{battery} * 9) / (P_{device}) / 24\text{hrs/day}$

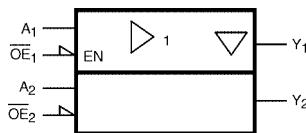
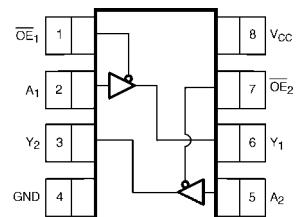
Where, $P_{device} = (I_{CC} * V_{CC}) + (C_{PD} + C_L) * V_{CC}^2 * f$

Assumes ideal 3.6V Lithium Ion battery with current rating of 900mAH and derated 90% and device frequency at 10MHz, with $C_L = 15\text{ pF}$ load

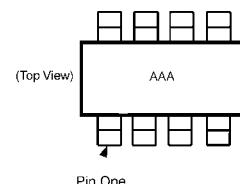
TinyLogic® is a registered trademark, and Quiet Series™ and MicroPak™ are trademarks of Fairchild Semiconductor Corporation.

Logic Symbol

IEEE/IEC

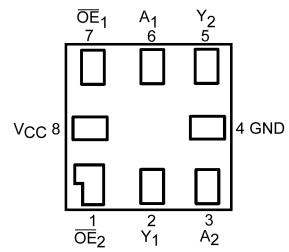
**Connection Diagrams****Pin Assignments for US8**

(Top View)

Pin One Orientation Diagram

AAA represents Product Code Top Mark - see ordering code.

Note: Orientation of Top Mark determines Pin One location. Read the top product code mark left to right, Pin One is the lower left pin (see diagram).

Pad Assignments for MicroPak

(Top Thru View)

Pin Descriptions

Pin Names	Description
\overline{OE}_n	Enable Inputs for 3-STATE Outputs
A_n	Input
Y_n	3-STATE Outputs

Function Table

Inputs		Output
\overline{OE}	A_n	Y_n
L	L	L
L	H	H
H	L	Z
H	H	Z

H = HIGH Logic Level

L = LOW Logic Level

Z = HIGH Impedance State

Absolute Maximum Ratings(Note 1)

Supply Voltage (V_{CC})	-0.5V to +4.6V
DC Input Voltage (V_{IN})	-0.5V to +4.6V
DC Output Voltage (V_{OUT})	
HIGH or LOW State (Note 2)	-0.5V to V_{CC} +0.5V
$V_{CC} = 0V$	-0.5V to 4.6V
DC Input Diode Current (I_{IK}) $V_{IN} < 0V$	±50 mA
DC Output Diode Current (I_{OK})	
$V_{OUT} < 0V$	-50 mA
$V_{OUT} > V_{CC}$	+50 mA
DC Output Source/Sink Current (I_{OH}/I_{OL})	± 50 mA
DC V_{CC} or Ground Current per Supply Pin (I_{CC} or Ground)	± 50 mA
Storage Temperature Range (T_{STG})	-65°C to +150°C

Recommended Operating Conditions(Note 3)

Supply Voltage	0.9V to 3.6V
Input Voltage (V_{IN})	0V to 3.6V
Output Voltage (V_{OUT})	
HIGH or LOW State	0V to V_{CC}
$V_{CC} = 0V$	0V to 3.6V
Output Current in I_{OH}/I_{OL}	
$V_{CC} = 3.0V$ to 3.6V	±2.6 mA
$V_{CC} = 2.3V$ to 2.7V	± 2.1 mA
$V_{CC} = 1.65V$ to 1.95V	± 1.5 mA
$V_{CC} = 1.40V$ to 1.60V	± 1.0 mA
$V_{CC} = 1.10V$ to 1.30V	± 0.5 mA
$V_{CC} = 0.9V$	±20 µA
Free Air Operating Temperature (T_A)	-40°C to +85°C
Minimum Input Edge Rate ($\Delta t/\Delta V$)	
$V_{IN} = 0.8V$ to 2.0V, $V_{CC} = 3.0V$	10 ns/V

Note 1: Absolute Maximum Ratings: are those values beyond which the safety of the device cannot be guaranteed. The device should not be operated at these limits. The parametric values defined in the Electrical Characteristics tables are not guaranteed at the absolute maximum ratings. The "Recommended Operating Conditions" table will define the conditions for actual device operation.

Note 2: I_O Absolute Maximum Rating must be observed.

Note 3: Unused inputs must be held HIGH or LOW. They may not float.

DC Electrical Characteristics

Symbol	Parameter	V_{CC} (V)	$T_A = +25^\circ C$		$T_A = -40^\circ C$ to $+85^\circ C$		Units	Conditions
			Min	Max	Min	Max		
V_{IH}	HIGH Level Input Voltage	0.90	0.65 x V_{CC}		0.65 x V_{CC}		V	
		1.10 ≤ V_{CC} ≤ 1.30	0.65 x V_{CC}		0.65 x V_{CC}			
		1.40 ≤ V_{CC} ≤ 1.60	0.65 x V_{CC}		0.65 x V_{CC}			
		1.65 ≤ V_{CC} ≤ 1.95	0.65 x V_{CC}		0.65 x V_{CC}			
		2.30 ≤ V_{CC} ≤ 2.70	1.6		1.6			
		3.00 ≤ V_{CC} ≤ 3.60	2.1		2.1			
V_{IL}	LOW Level Input Voltage	0.90	0.35 x V_{CC}		0.35 x V_{CC}		V	
		1.10 ≤ V_{CC} ≤ 1.30	0.35 x V_{CC}		0.35 x V_{CC}			
		1.40 ≤ V_{CC} ≤ 1.60	0.35 x V_{CC}		0.35 x V_{CC}			
		1.65 ≤ V_{CC} ≤ 1.95	0.35 x V_{CC}		0.35 x V_{CC}			
		2.30 ≤ V_{CC} ≤ 2.70	0.7		0.7			
		3.00 ≤ V_{CC} ≤ 3.60	0.9		0.9			
V_{OH}	HIGH Level Output Voltage	0.90	$V_{CC} - 0.1$		$V_{CC} - 0.1$		V	$I_{OH} = -20 \mu A$
		1.10 ≤ V_{CC} ≤ 1.30	$V_{CC} - 0.1$		$V_{CC} - 0.1$			
		1.40 ≤ V_{CC} ≤ 1.60	$V_{CC} - 0.1$		$V_{CC} - 0.1$			
		1.65 ≤ V_{CC} ≤ 1.95	$V_{CC} - 0.1$		$V_{CC} - 0.1$			
		2.30 ≤ V_{CC} ≤ 2.70	$V_{CC} - 0.1$		$V_{CC} - 0.1$			
		3.00 ≤ V_{CC} ≤ 3.60	$V_{CC} - 0.1$		$V_{CC} - 0.1$			
		1.10 ≤ V_{CC} ≤ 1.30	0.75 x V_{CC}		0.70 x V_{CC}			
		1.40 ≤ V_{CC} ≤ 1.60	1.07		0.99			
		1.65 ≤ V_{CC} ≤ 1.95	1.24		1.22			
		2.30 ≤ V_{CC} ≤ 2.70	1.95		1.87			
		3.00 ≤ V_{CC} ≤ 3.60	2.61		2.55			

DC Electrical Characteristics (Continued)

Symbol	Parameter	V _{CC} (V)	T _A = +25°C		T _A = -40°C to +85°C		Units	Conditions
			Min	Max	Min	Max		
V _{OL}	LOW Level Output Voltage	0.90		0.1		0.1	V	I _{OL} = 20 μA
		1.10 ≤ V _{CC} ≤ 1.30		0.1		0.1		
		1.40 ≤ V _{CC} ≤ 1.60		0.1		0.1		
		1.65 ≤ V _{CC} ≤ 1.95		0.1		0.1		
		2.30 ≤ V _{CC} ≤ 2.70		0.1		0.1		
		3.00 ≤ V _{CC} ≤ 3.60		0.1		0.1		
		1.10 ≤ V _{CC} ≤ 1.30	0.30 × V _{CC}		0.30 × V _{CC}			
		1.40 ≤ V _{CC} ≤ 1.60	0.31		0.37			
		1.65 ≤ V _{CC} ≤ 1.95	0.31		0.35			
		2.30 ≤ V _{CC} ≤ 2.70	0.31		0.33			
		3.00 ≤ V _{CC} ≤ 3.60	0.31		0.33			
I _{IN}	Input Leakage Current	0.90 to 3.60		±0.1		±0.9	μA	0 ≤ V _I ≤ 3.6V
I _{OZ}	3-STATE Output Leakage	0.90 to 3.60		±1.0		±5.0	μA	V _I = V _{IH} or V _{IL} 0 ≤ V _O ≤ 3.6V
I _{OFF}	Power Off Leakage Current	0		1.0		5.0	μA	0 ≤ (V _I , V _O) ≤ 3.6V
I _{CC}	Quiescent Supply Current	0.90 to 3.60		0.9		5.0	μA	V _I = V _{CC} or GND

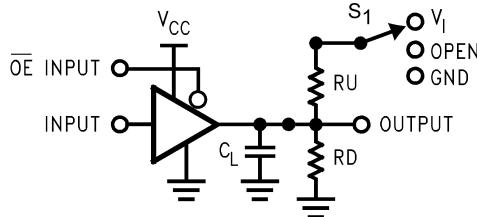
AC Electrical Characteristics

Symbol	Parameter	V _{CC} (V)	T _A = +25°C			T _A = -40°C to +85°C		Units	Conditions	Figure Number
			Min	Typ	Max	Min	Max			
t _{PHL} t _{PLH}	Propagation Delay	0.90		26.0				ns	C _L = 10 pF R _L = 1 MΩ	
		1.10 ≤ V _{CC} ≤ 1.30	4.0	10.0	19.1	3.5	39.6			
		1.40 ≤ V _{CC} ≤ 1.60	2.0	6.0	11.2	1.5	14.5			
		1.65 ≤ V _{CC} ≤ 1.95	1.5	5.0	8.6	1.0	11.6			
		2.30 ≤ V _{CC} ≤ 2.70	1.0	4.0	6.3	0.8	8.2			
t _{PZH} t _{PZL}	Output Enable Time	0.90		29.0				ns	C _L = 10 pF R _U = 5000Ω R _D = 5000Ω S ₁ = GND for t _{PZH} S ₁ = V _I for t _{PZL}	
		1.10 ≤ V _{CC} ≤ 1.30	4.0	8.0	17.5	3.5	40.4			
		1.40 ≤ V _{CC} ≤ 1.60	2.0	6.0	11.9	1.5	14.8			
		1.65 ≤ V _{CC} ≤ 1.95	1.5	5.0	9.7	1.0	12.3			
		2.30 ≤ V _{CC} ≤ 2.70	1.0	4.0	7.7	0.8	10.5			
t _{PHZ} t _{PLZ}	Output Disable Time	0.90		28.0				ns	C _L = 10 pF R _U = 5000Ω R _D = 5000Ω S ₁ = GND for t _{PHZ} S ₁ = V _I for t _{PLZ}	
		1.10 ≤ V _{CC} ≤ 1.30	4.0	8.0	20.5	3.5	42.0			
		1.40 ≤ V _{CC} ≤ 1.60	2.0	6.0	17.6	1.5	18.9			
		1.65 ≤ V _{CC} ≤ 1.95	1.5	5.0	17.4	1.0	18.7			
		2.30 ≤ V _{CC} ≤ 2.70	1.0	4.0	16.4	0.8	17.7			
t _{PHL} t _{PLH}	Propagation Delay	0.90		28.0				ns	C _L = 15 pF R _L = 1 MΩ	Figures 1, 2
		1.10 ≤ V _{CC} ≤ 1.30	5.0	10.0	20.5	4.5	42.5			
		1.40 ≤ V _{CC} ≤ 1.60	3.0	7.0	11.8	2.5	15.4			
		1.65 ≤ V _{CC} ≤ 1.95	2.0	5.0	9.1	2.0	12.2			
		2.30 ≤ V _{CC} ≤ 2.70	1.5	4.0	6.6	1.0	8.6			
t _{PZH} t _{PZL}	Output Enable Time	0.90		31.0				ns	C _L = 15 pF R _U = 5000Ω R _D = 5000Ω S ₁ = GND for t _{PZH} S ₁ = V _I for t _{PLZ}	Figures 1, 2
		1.10 ≤ V _{CC} ≤ 1.30	5.0	11.0	18.2	4.5	43.3			
		1.40 ≤ V _{CC} ≤ 1.60	3.0	7.0	12.5	2.5	15.5			
		1.65 ≤ V _{CC} ≤ 1.95	2.0	5.0	10.2	2.0	12.9			
		2.30 ≤ V _{CC} ≤ 2.70	1.5	4.0	8.0	1.0	9.9			
		3.00 ≤ V _{CC} ≤ 3.60	1.0	3.0	7.2	0.5	8.9			

AC Electrical Characteristics (Continued)

Symbol	Parameter	V _{CC} (V)	T _A = +25°C			T _A = -40°C to +85°C		Units	Conditions	Figure Number
			Min	Typ	Max	Min	Max			
t _{PHZ} t _{PLZ}	Output Disable Time	0.90		30.0				ns	C _L = 15 pF R _U = 5000Ω R _D = 5000Ω S ₁ = GND for t _{PHZ} S ₁ = V _I for t _{PLZ}	Figures 1, 2
		1.10 ≤ V _{CC} ≤ 1.30	5.0	11.0	21.6	4.5	44.9			
		1.40 ≤ V _{CC} ≤ 1.60	3.0	7.0	17.1	2.5	20.0			
		1.65 ≤ V _{CC} ≤ 1.95	2.0	5.0	16.9	2.0	19.9			
		2.30 ≤ V _{CC} ≤ 2.70	1.5	4.0	16.8	1.0	18.1			
		3.00 ≤ V _{CC} ≤ 3.60	1.0	3.0	16.6	0.5	17.8			
t _{PHL} t _{PLH}	Propagation Delay	0.90		34.0				ns	C _L = 30 pFΩ R _L = 1MΩ	Figures 1, 2
		1.10 ≤ V _{CC} ≤ 1.30	5.5	12.0	23.4	5.0	51.1			
		1.40 ≤ V _{CC} ≤ 1.60	4.0	8.0	13.8	3.0	17.7			
		1.65 ≤ V _{CC} ≤ 1.95	2.0	6.0	10.6	2.0	14.0			
		2.30 ≤ V _{CC} ≤ 2.70	1.0	5.0	7.6	1.0	9.9			
		3.00 ≤ V _{CC} ≤ 3.60	0.8	4.0	6.4	0.5	8.9			
t _{PZH} t _{PZL}	Output Enable Time	0.90		37.0				ns	C _L = 30 pF R _U = 5000Ω R _D = 5000Ω S ₁ = GND for t _{PZH} S ₁ = V _I for t _{PZL}	Figures 1, 2
		1.10 ≤ V _{CC} ≤ 1.30	6.0	13.0	24.4	5.0	51.9			
		1.40 ≤ V _{CC} ≤ 1.60	4.0	8.0	14.5	3.0	17.9			
		1.65 ≤ V _{CC} ≤ 1.95	2.0	6.0	11.7	2.0	14.7			
		2.30 ≤ V _{CC} ≤ 2.70	1.0	5.0	9.1	1.0	11.1			
		3.00 ≤ V _{CC} ≤ 3.60	0.8	4.0	8.1	0.5	10.1			
t _{PHZ} t _{PLZ}	Output Disable Time	0.90		36.0				ns	C _L = 30 pF R _U = 5000Ω R _D = 5000Ω S ₁ = GND for t _{PHZ} S ₁ = V _I for t _{PLZ}	Figures 1, 2
		1.10 ≤ V _{CC} ≤ 1.30	6.0	13.0	24.8	5.0	53.5			
		1.40 ≤ V _{CC} ≤ 1.60	4.0	8.0	18.1	3.0	22.6			
		1.65 ≤ V _{CC} ≤ 1.95	2.0	6.0	17.9	2.0	22.0			
		2.30 ≤ V _{CC} ≤ 2.70	1.0	5.0	17.7	1.0	21.6			
		3.00 ≤ V _{CC} ≤ 3.60	0.8	4.0	17.5	0.5	21.2			
C _{IN}	Input Capacitance	0		2.0				pF		
C _{OUT}	Output Capacitance	0		4.0				pF		
C _{PD}	Power Dissipation Capacitance	0.9 to 3.60		8.0				pF	V _I = 0V or V _{CC} , f = 10 MHz	

AC Loading and Waveforms



Test	Switch
t_{PLH}, t_{PHL}	Open
t_{PZL}, t_{PLZ}	$6V$ at $V_{CC} = 3.3V \pm 0.3V$ $V_{CC} \times 2$ at $V_{CC} < 3.0V$
t_{PZH}, t_{PHZ}	GND

FIGURE 1. AC Test Circuit

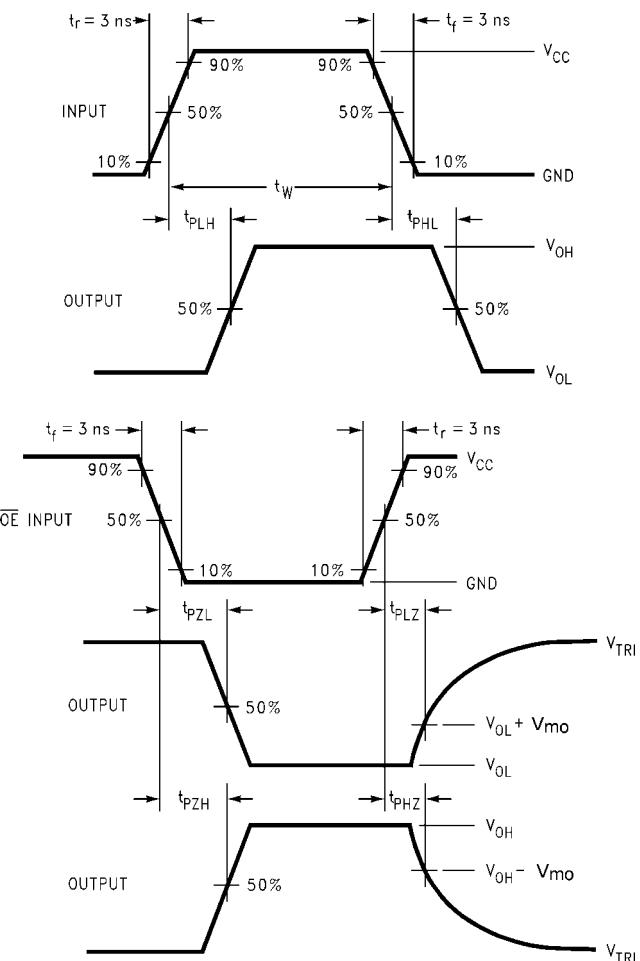


FIGURE 2. AC Waveforms

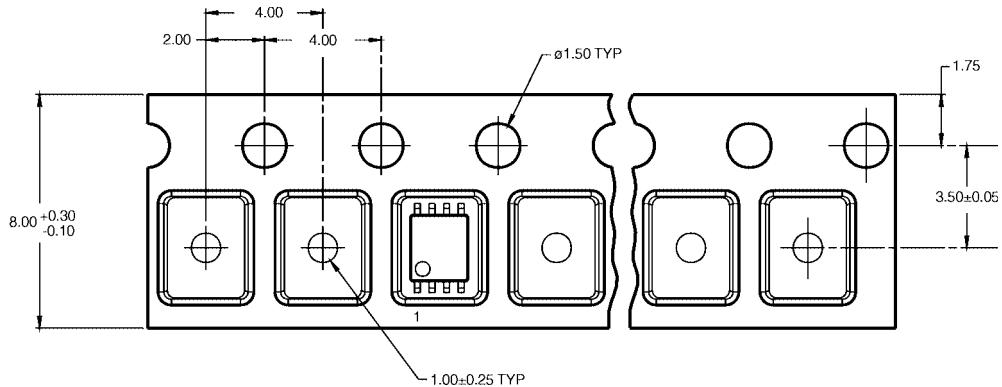
Symbol	V_{CC}					
	$3.3V \pm 0.3V$	$2.5V \pm 0.2V$	$1.8V \pm 0.15V$	$1.5V \pm 0.10V$	$1.2V \pm 0.10V$	$0.9V$
V_{mi}	1.5V	$V_{CC}/2$	$V_{CC}/2$	$V_{CC}/2$	$V_{CC}/2$	$V_{CC}/2$
V_{mo}	0.3V	0.15	0.15	0.1	0.1	0.1

Tape and Reel Specification

TAPE FORMAT for US8

Package Designator	Tape Section	Number Cavities	Cavity Status	Cover Tape Status
K8X	Leader (Start End)	125 (typ)	Empty	Sealed
	Carrier	3000	Filled	Sealed
	Trailer (Hub End)	75 (typ)	Empty	Sealed

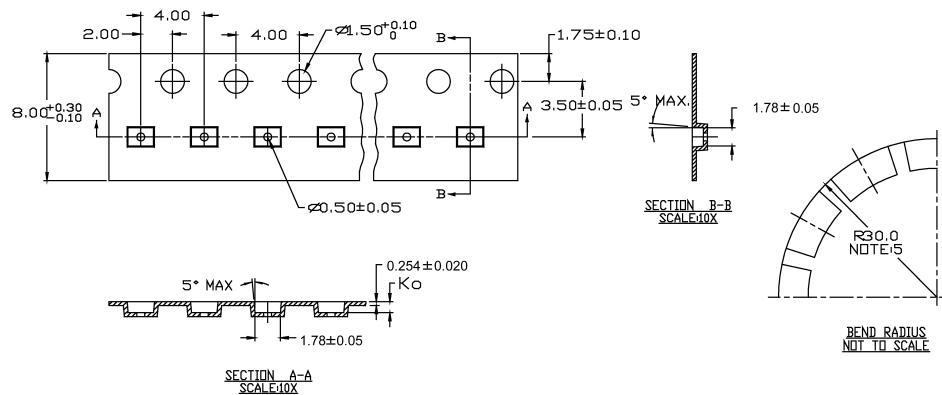
TAPE DIMENSIONS inches (millimeters)



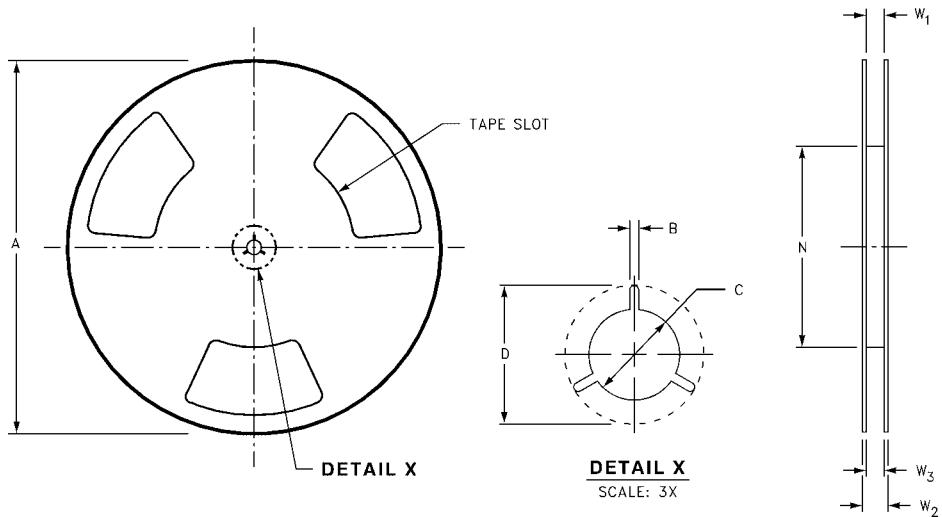
TAPE FORMAT for MicroPak

Package Designator	Tape Section	Number Cavities	Cavity Status	Cover Tape Status
L8X	Leader (Start End)	125 (typ)	Empty	Sealed
	Carrier	3000	Filled	Sealed
	Trailer (Hub End)	75 (typ)	Empty	Sealed

TAPE DIMENSIONS inches (millimeters)



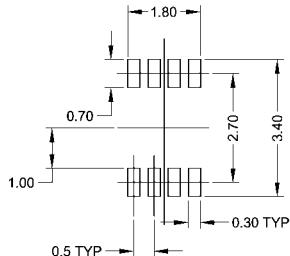
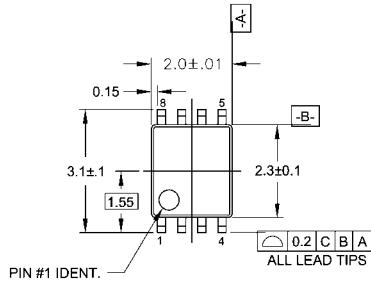
Tape and Reel Specification (Continued)
REEL DIMENSIONS inches (millimeters)



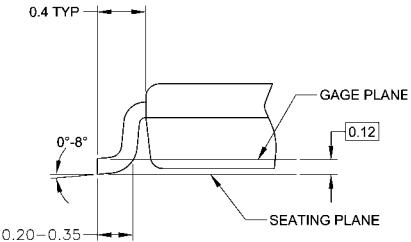
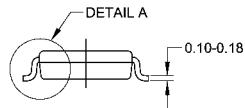
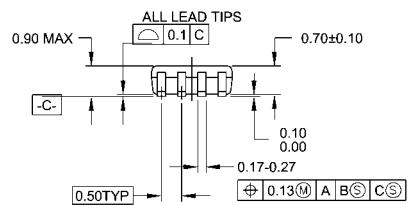
Tape Size	A	B	C	D	N	W1	W2	W3
8 mm	7.0 (177.8)	0.059 (1.50)	0.512 (13.00)	0.795 (20.20)	2.165 (55.00)	$0.331 + 0.059/-0.000$ (8.40 + 1.50/-0.00)	0.567 (14.40)	$W1 + 0.078/-0.039$ ($W1 + 2.00/-1.00$)

Physical Dimensions

inches (millimeters) unless otherwise noted



LAND PATTERN RECOMMENDATION



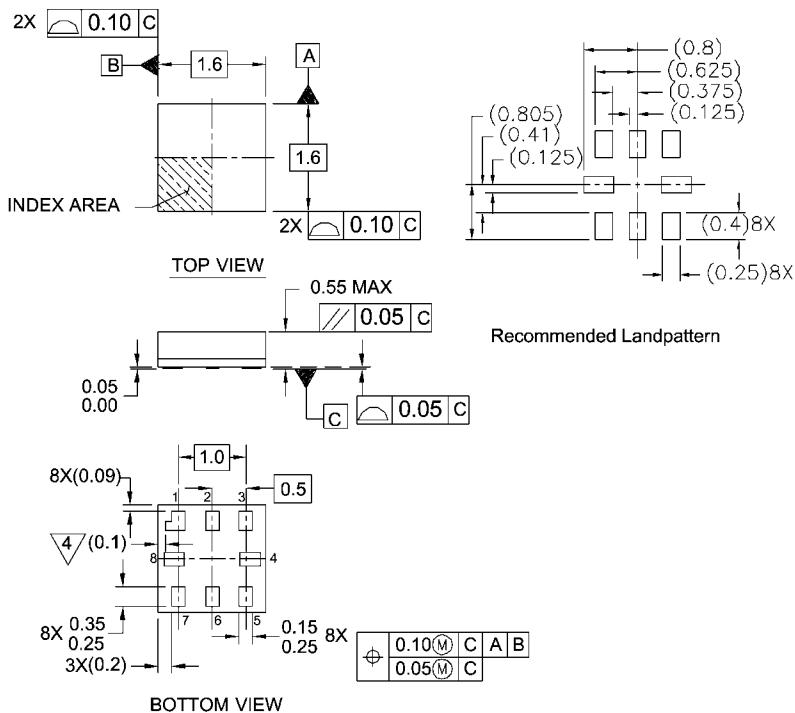
DETAIL A

NOTES:

- A. CONFORMS TO JEDEC REGISTRATION MO-187
- B. DIMENSIONS ARE IN MILLIMETERS.
- C. DIMENSIONS ARE EXCLUSIVE OF BURRS, MOLD FLASH, AND TIE BAR EXTRUSIONS.
- D. DIMENSIONS AND TOLERANCES PER ANSI Y14.5M, 1982.

MAB08AREVC

8-Lead US8, JEDEC MO-187, Variation CA 3.1mm Wide
Package Number MAB08A

Physical Dimensions inches (millimeters) unless otherwise noted (Continued)

Notes:

1. PACKAGE CONFORMS TO JEDEC MO-255 VARIATION UAAD
2. DIMENSIONS ARE IN MILLIMETERS
3. DRAWING CONFORMS TO ASME Y.14M-1994

PIN 1 FLAG, END OF PACKAGE OFFSET.

MAC08AREVC

Pb-Free 8-Lead MicroPak, 1.6 mm Wide
Package Number MAC08A

Fairchild does not assume any responsibility for use of any circuitry described, no circuit patent licenses are implied and Fairchild reserves the right at any time without notice to change said circuitry and specifications.

LIFE SUPPORT POLICY

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE PRESIDENT OF FAIRCHILD SEMICONDUCTOR CORPORATION. As used herein:

1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury to the user.
2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

www.fairchildsemi.com

ON Semiconductor and  are trademarks of Semiconductor Components Industries, LLC dba ON Semiconductor or its subsidiaries in the United States and/or other countries. ON Semiconductor owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of ON Semiconductor's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. ON Semiconductor reserves the right to make changes without further notice to any products herein. ON Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does ON Semiconductor 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. Buyer is responsible for its products and applications using ON Semiconductor products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by ON Semiconductor. "Typical" parameters which may be provided in ON Semiconductor data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. ON Semiconductor does not convey any license under its patent rights nor the rights of others. ON Semiconductor products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use ON Semiconductor products for any such unintended or unauthorized application, Buyer shall indemnify and hold ON Semiconductor and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that ON Semiconductor was negligent regarding the design or manufacture of the part. ON Semiconductor is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

PUBLICATION ORDERING INFORMATION

LITERATURE FULFILLMENT:

Literature Distribution Center for ON Semiconductor
19521 E. 32nd Pkwy, Aurora, Colorado 80011 USA
Phone: 303-675-2175 or 800-344-3860 Toll Free USA/Canada
Fax: 303-675-2176 or 800-344-3867 Toll Free USA/Canada
Email: orderlit@onsemi.com

N. American Technical Support: 800-282-9855 Toll Free
USA/Canada

Europe, Middle East and Africa Technical Support:
Phone: 421 33 790 2910
Japan Customer Focus Center
Phone: 81-3-5817-1050

ON Semiconductor Website: www.onsemi.com

Order Literature: <http://www.onsemi.com/orderlit>

For additional information, please contact your local
Sales Representative

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ON Semiconductor](#):

[NC7WP125L8X](#) [NC7WP125K8X](#)

Данный компонент на территории Российской Федерации**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибуторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ Р В 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru
moschip.ru_4

moschip.ru_6
moschip.ru_9