

MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

Octal Buffer/Line Driver with 3-State Outputs

The MC74AC540/74ACT540 and MC74AC541/74ACT541 are octal buffer/line drivers designed to be employed as memory and address drivers, clock drivers and bus oriented transmitter/receivers. The MC74AC541/74ACT541 is a noninverting option of the MC74AC540/74ACT540.

These devices are similar in function to the MC74AC240/74ACT240 and MC74AC244/74ACT244 while providing flow-through architecture (inputs on opposite side from outputs). This pinout arrangement makes these devices especially useful as output ports for microprocessors, allowing ease of layout and greater PC board density.

Features

- 3-State Outputs
- Inputs and Outputs Opposite Side of Package, Allowing Easier Interface to Microprocessors
- Outputs Source/Sink 24 mA
- MC74AC540/74ACT540 Provides Inverted Outputs
- MC74AC541/74ACT541 Provides Noninverted Outputs
- 'ACT540 and 'ACT541 Have TTL Compatible Inputs
- Pb-Free Packages are Available

TRUTH TABLE

Inputs			Outputs	
$\overline{OE}_1$	$\overline{OE}_2$	D	'540	'541
L	L	H	L	H
H	X	X	Z	Z
X	H	X	Z	Z
L	L	L	H	L

H = HIGH Voltage Level

L = LOW Voltage Level

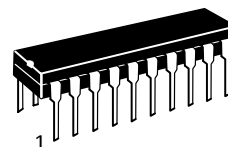
X = Immaterial

Z = High Impedance

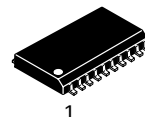


ON Semiconductor®

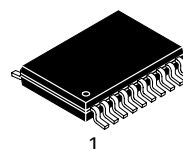
<http://onsemi.com>



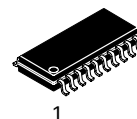
PDIP-20
N SUFFIX
CASE 738



SOIC-20W
DW SUFFIX
CASE 751D



TSSOP-20
DT SUFFIX
CASE 948E



SOEIAJ-20
M SUFFIX
CASE 967

ORDERING INFORMATION

See detailed ordering and shipping information in the package dimensions section on page 7 of this data sheet.

DEVICE MARKING INFORMATION

See general marking information in the device marking section on page 9 of this data sheet.

MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

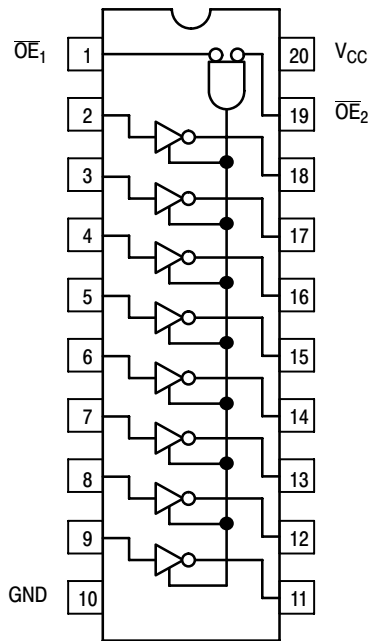


Figure 1. MC74AC540/74ACT540

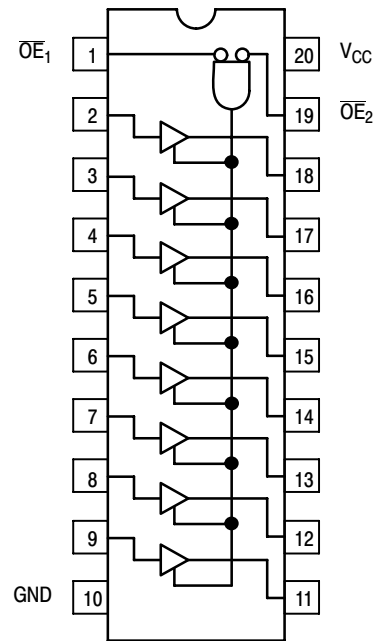


Figure 2. MC74AC541/74ACT541

MAXIMUM RATINGS

Symbol	Parameter	Value	Unit
V_{CC}	DC Supply Voltage (Referenced to GND)	-0.5 to +7.0	V
V_{IN}	DC Input Voltage (Referenced to GND)	-0.5 to $V_{CC} + 0.5$	V
V_{OUT}	DC Output Voltage (Referenced to GND)	-0.5 to $V_{CC} + 0.5$	V
I_{IN}	DC Input Current, per Pin	± 20	mA
I_{OUT}	DC Output Sink/Source Current, per Pin	± 50	mA
I_{CC}	DC V_{CC} or GND Current per Output Pin	± 50	mA
T_{stg}	Storage Temperature	-65 to +150	$^{\circ}\text{C}$

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

RECOMMENDED OPERATING CONDITIONS

Symbol	Parameter		Min	Typ	Max	Unit
V_{CC}	Supply Voltage	'AC	2.0	5.0	6.0	V
		'ACT	4.5	5.0	5.5	
V_{IN}, V_{OUT}	DC Input Voltage, Output Voltage (Ref. to GND)		0	-	V_{CC}	V
t_r, t_f	Input Rise and Fall Time (Note 1) 'AC Devices except Schmitt Inputs	$V_{CC} @ 3.0 \text{ V}$	-	150	-	ns/V
		$V_{CC} @ 4.5 \text{ V}$	-	40	-	
		$V_{CC} @ 5.5 \text{ V}$	-	25	-	
t_r, t_f	Input Rise and Fall Time (Note 2) 'ACT Devices except Schmitt Inputs	$V_{CC} @ 4.5 \text{ V}$	-	10	-	ns/V
		$V_{CC} @ 5.5 \text{ V}$	-	8.0	-	
T_J	Junction Temperature (PDIP)		-	-	140	$^{\circ}\text{C}$
T_A	Operating Ambient Temperature Range		-40	25	85	$^{\circ}\text{C}$
I_{OH}	Output Current - High		-	-	-24	mA
I_{OL}	Output Current - Low		-	-	24	mA

1. V_{IN} from 30% to 70% V_{CC} ; see individual Data Sheets for devices that differ from the typical input rise and fall times.

2. V_{IN} from 0.8 V to 2.0 V; see individual Data Sheets for devices that differ from the typical input rise and fall times.

MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

DC CHARACTERISTICS

Symbol	Parameter	V _{CC} (V)	74AC		74AC	Unit	Conditions
			T _A = +25°C		T _A = -40°C to +85°C		
			Typ	Guaranteed Limits			
V _{IH}	Minimum High Level Input Voltage	3.0	1.5	2.1	2.1	V	V _{OUT} = 0.1 V or V _{CC} - 0.1 V
		4.5	2.25	3.15	3.15		
		5.5	2.75	3.85	3.85		
V _{IL}	Maximum Low Level Input Voltage	3.0	1.5	0.9	0.9	V	V _{OUT} = 0.1 V or V _{CC} - 0.1 V
		4.5	2.25	1.35	1.35		
		5.5	2.75	1.65	1.65		
V _{OH}	Minimum High Level Output Voltage	3.0	2.99	2.9	2.9	V	I _{OUT} = -50 μA
		4.5	4.49	4.4	4.4		
		5.5	5.49	5.4	5.4		
		3.0	—	2.56	2.46	V	*V _{IN} = V _{IL} or V _{IH} -12 mA I _{OH} -24 mA -24 mA
		4.5	—	3.86	3.76		
		5.5	—	4.86	4.76		
V _{OL}	Maximum Low Level Output Voltage	3.0	0.002	0.1	0.1	V	I _{OUT} = 50 μA
		4.5	0.001	0.1	0.1		
		5.5	0.001	0.1	0.1		
		3.0	—	0.36	0.44	V	*V _{IN} = V _{IL} or V _{IH} 12 mA I _{OL} 24 mA 24 mA
		4.5	—	0.36	0.44		
		5.5	—	0.36	0.44		
I _{IN}	Maximum Input Leakage Current	5.5	—	±0.1	±1.0	μA	V _I = V _{CC} , GND
I _{OZ}	Maximum 3-State Current	5.5	—	±0.5	±5.0	μA	V _I (OE) = V _{IL} , V _{IH} V _I = V _{CC} , GND V _O = V _{CC} , GND
I _{OLD}	†Minimum Dynamic Output Current	5.5	—	—	75	mA	V _{OLD} = 1.65 V Max
I _{OHD}		5.5	—	—	-75	mA	V _{OHD} = 3.85 V Min
I _{CC}	Maximum Quiescent Supply Current	5.5	—	8.0	80	μA	V _{IN} = V _{CC} or GND

*All outputs loaded; thresholds on input associated with output under test.

†Maximum test duration 2.0 ms, one output loaded at a time.

NOTE: I_{IN} and I_{CC} @ 3.0 V are guaranteed to be less than or equal to the respective limit @ 5.5 V V_{CC}.

MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

AC CHARACTERISTICS (For Figures and Waveforms – See AND8277/D at www.onsemi.com)

Symbol	Parameter	V _{CC} * (V)	74AC			74AC		Unit	Fig. No.
			T _A = +25°C C _L = 50 pF			T _A = -40°C to +85°C C _L = 50 pF			
			Min	Typ	Max	Min	Max		
t _{PLH}	Propagation Delay Data to Output ('AC540)	3.3 5.0	1.5 1.5	5.5 4.0	7.5 6.0	1.0 1.0	8.0 6.5	ns	3-5
t _{PHL}	Propagation Delay Data to Output ('AC540)	3.3 5.0	1.5 1.5	5.0 4.0	7.0 5.5	1.0 1.0	7.5 6.0	ns	3-5
t _{PZH}	Output Enable Time (‘AC540)	3.3 5.0	3.0 2.0	8.5 6.5	11 8.5	2.5 2.0	12 9.5	ns	3-7
t _{PZL}	Output Enable Time (‘AC540)	3.3 5.0	2.5 2.0	7.5 6.0	10 7.5	2.0 1.5	11 8.5	ns	3-8
t _{PHZ}	Output Disable Time (‘AC540)	3.3 5.0	2.5 1.5	8.5 7.5	13 10.5	1.5 1.0	14 11	ns	3-7
t _{PLZ}	Output Disable Time (‘AC540)	3.3 5.0	2.0 1.5	7.0 6.0	10 8.0	2.0 1.5	11 9.0	ns	3-8
t _{PLH}	Propagation Delay Data to Output ('AC541)	3.3 5.0	2.0 1.5	5.5 4.0	8.0 6.0	1.5 1.0	9.0 6.5	ns	3-5
t _{PHL}	Propagation Delay Data to Output ('AC541)	3.3 5.0	2.0 1.5	5.5 4.0	8.0 6.0	1.5 1.0	8.5 6.5	ns	3-5
t _{PZH}	Output Enable Time (‘AC541)	3.3 5.0	3.0 2.0	8.0 6.0	11.5 8.5	3.0 1.5	12.5 9.5	ns	3-7
t _{PZL}	Output Enable Time (‘AC541)	3.3 5.0	2.5 1.5	7.0 5.5	10 7.5	2.5 1.0	11.5 8.5	ns	3-8
t _{PHZ}	Output Disable Time (‘AC541)	3.3 5.0	3.5 2.0	9.0 7.0	12.5 9.5	2.5 1.0	14 10.5	ns	3-7
t _{PLZ}	Output Disable Time (‘AC541)	3.3 5.0	2.5 2.0	6.5 5.5	9.5 7.5	2.0 1.0	10.5 8.5	ns	3-8

*Voltage Range 3.3 V is 3.3 V ±0.3 V.
Voltage Range 5.0 V is 5.0 V ±0.5 V.

MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

DC CHARACTERISTICS

Symbol	Parameter	V _{CC} (V)	74ACT		74ACT		Unit	Conditions
			T _A = +25°C		T _A = -40°C to +85°C			
			Typ	Guaranteed Limits				
V _{IH}	Minimum High Level Input Voltage	4.5 5.5	1.5 1.5	2.0 2.0	2.0 2.0	V	V _{OUT} = 0.1 V or V _{CC} - 0.1 V	
V _{IL}	Maximum Low Level Input Voltage	4.5 5.5	1.5 1.5	0.8 0.8	0.8 0.8	V	V _{OUT} = 0.1 V or V _{CC} - 0.1 V	
V _{OH}	Minimum High Level Output Voltage	4.5 5.5	4.49 5.49	4.4 5.4	4.4 5.4	V	I _{OUT} = -50 μA	
		4.5 5.5	- -	3.86 4.86	3.76 4.76	V	*V _{IN} = V _{IL} or V _{IH} I _{OH} -24 mA -24 mA	
V _{OL}	Maximum Low Level Output Voltage	4.5 5.5	0.001 0.001	0.1 0.1	0.1 0.1	V	I _{OUT} = 50 μA	
		4.5 5.5	- -	0.36 0.36	0.44 0.44	V	*V _{IN} = V _{IL} or V _{IH} 24 mA I _{OL} 24 mA	
I _{IN}	Maximum Input Leakage Current	5.5	-	±0.1	±1.0	μA	V _I = V _{CC} , GND	
ΔI _{CCT}	Additional Max. I _{CC} /Input	5.5	0.6	-	1.5	mA	V _I = V _{CC} - 2.1 V	
I _{OZ}	Maximum 3-State Current	5.5	-	±0.5	±5.0	μA	V _I (OE) = V _{IL} , V _{IH} V _I = V _{CC} , GND V _O = V _{CC} , GND	
I _{OLD}	†Minimum Dynamic Output Current	5.5	-	-	75	mA	V _{OLD} = 1.65 V Max	
I _{OHD}		5.5	-	-	-75	mA	V _{OHD} = 3.85 V Min	
I _{CC}	Maximum Quiescent Supply Current	5.5	-	8.0	80	μA	V _{IN} = V _{CC} or GND	

*All outputs loaded; thresholds on input associated with output under test.

†Maximum test duration 2.0 ms, one output loaded at a time.

MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

AC CHARACTERISTICS (For Figures and Waveforms – See AND8277/D at www.onsemi.com)

Symbol	Parameter	V _{CC} * (V)	74ACT			74ACT		Unit	Fig. No.
			T _A = +25°C C _L = 50 pF			T _A = -40°C to +85°C C _L = 50 pF			
			Min	Typ	Max	Min	Max		
t _{PLH}	Propagation Delay Data to Output ('ACT540)	5.0	1.0	–	7.0	1.0	7.5	ns	3–5
t _{PHL}	Propagation Delay Data to Output ('ACT540)	5.0	1.0	–	8.0	1.0	8.5	ns	3–5
t _{PZH}	Output Enable Time (‘ACT540)	5.0	1.0	–	10.5	1.0	11.5	ns	3–7
t _{PZL}	Output Enable Time (‘ACT540)	5.0	1.0	–	9.5	1.0	10.5	ns	3–8
t _{PHZ}	Output Disable Time (‘ACT540)	5.0	1.0	–	12.0	1.0	12.5	ns	3–7
t _{PLZ}	Output Disable Time (‘ACT540)	5.0	1.5	–	9.0	1.0	10	ns	3–8
t _{PLH}	Propagation Delay Data to Output ('ACT541)	5.0	1.5	–	7.5	1.0	8.0	ns	3–5
t _{PHL}	Propagation Delay Data to Output ('ACT541)	5.0	1.5	–	7.5	1.0	8.0	ns	3–5
t _{PZH}	Output Enable Time (‘ACT541)	5.0	2.0	–	10.0	1.0	11.0	ns	3–7
t _{PZL}	Output Enable Time (‘ACT541)	5.0	1.5	–	9.5	1.0	10.5	ns	3–8
t _{PHZ}	Output Disable Time (‘ACT541)	5.0	2.0	–	11.0	1.0	12.0	ns	3–7
t _{PLZ}	Output Disable Time (‘ACT541)	5.0	2.0	–	9.0	1.0	10	ns	3–8

*Voltage Range 5.0 V is 5.0 V ±0.5 V.

CAPACITANCE

Symbol	Parameter	Value Typ	Unit	Test Conditions
C _{IN}	Input Capacitance	4.5	pF	V _{CC} = 5.0 V
C _{PD}	Power Dissipation Capacitance	30	pF	V _{CC} = 5.0 V

MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

ORDERING INFORMATION

Device	Package	Shipping [†]
MC74AC540N	PDIP-20	18 Units / Rail
MC74AC540NG	PDIP-20 (Pb-Free)	
MC74ACT540N	PDIP-20	
MC74ACT540NG	PDIP-20 (Pb-Free)	
MC74AC540DW	SOIC-20	38 Units / Rail
MC74AC540DWG	SOIC-20 (Pb-Free)	
MC74AC540DWR2	SOIC-20	1000 / Tape & Reel
MC74AC540DWR2G	SOIC-20 (Pb-Free)	
MC74ACT540DW	SOIC-20	38 Units / Rail
MC74ACT540DWG	SOIC-20 (Pb-Free)	
MC74ACT540DWR2	SOIC-20	1000 / Tape & Reel
MC74ACT540DWR2G	SOIC-20 (Pb-Free)	
MC74ACT540DTR2	TSSOP-20*	2500 / Tape & Reel
MC74ACT540DTR2G	TSSOP-20*	
MC74ACT540MEL	SOEIAJ-20	2000 / Tape & Reel
MC74ACT540MELG	SOEIAJ-20 (Pb-Free)	
MC74AC541N	PDIP-20	18 Units / Rail
MC74AC541NG	PDIP-20 (Pb-Free)	
MC74ACT541N	PDIP-20	
MC74ACT541NG	PDIP-20 (Pb-Free)	
MC74AC541DW	SOIC-20	38 Units / Rail
MC74AC541DWG	SOIC-20 (Pb-Free)	
MC74AC541DWR2	SOIC-20	1000 / Tape & Reel
MC74AC541DWR2G	SOIC-20 (Pb-Free)	
MC74ACT541DW	SOIC-20	38 Units / Rail
MC74ACT541DWG	SOIC-20 (Pb-Free)	
MC74ACT541DWR2	SOIC-20	1000 / Tape & Reel
MC74ACT541DWR2G	SOIC-20 (Pb-Free)	

[†]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.

*These packages are inherently Pb-Free.

MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

ORDERING INFORMATION (continued)

Device	Package	Shipping [†]
MC74AC541DTR2	TSSOP-20*	2500 / Tape & Reel
MC74AC541DTR2G	TSSOP-20*	
MC74ACT541DT	TSSOP-20*	75 Units / Rail
MC74ACT541DTG	TSSOP-20*	
MC74ACT541DTR2	TSSOP-20*	2500 / Tape & Reel
MC74ACT541DTR2G	TSSOP-20*	
MC74AC541M	SOEIAJ-20	40 Units / Rail
MC74AC541MG	SOEIAJ-20 (Pb-Free)	
MC74AC541MEL	SOEIAJ-20	2000 / Tape & Reel
MC74AC541MELG	SOEIAJ-20 (Pb-Free)	
MC74ACT541M	SOEIAJ-20	40 Units / Rail
MC74ACT541MG	SOEIAJ-20 (Pb-Free)	
MC74ACT541MEL	SOEIAJ-20	2000 / Tape & Reel
MC74ACT541MELG	SOEIAJ-20 (Pb-Free)	

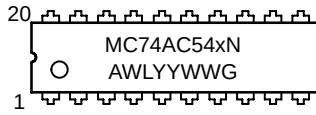
[†]For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D.

*These packages are inherently Pb-Free.

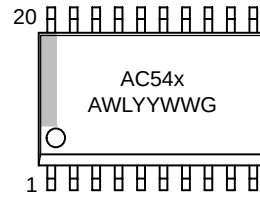
MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

MARKING DIAGRAMS

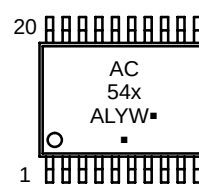
PDIP-20



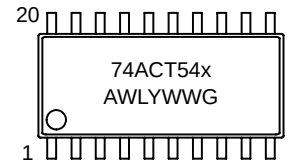
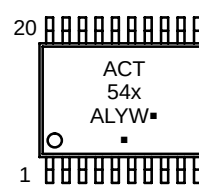
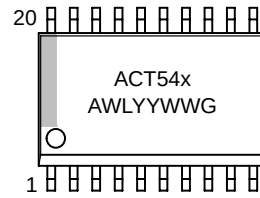
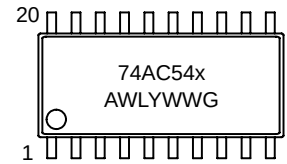
SOIC-20W



TSSOP-20



SOEIAJ-20

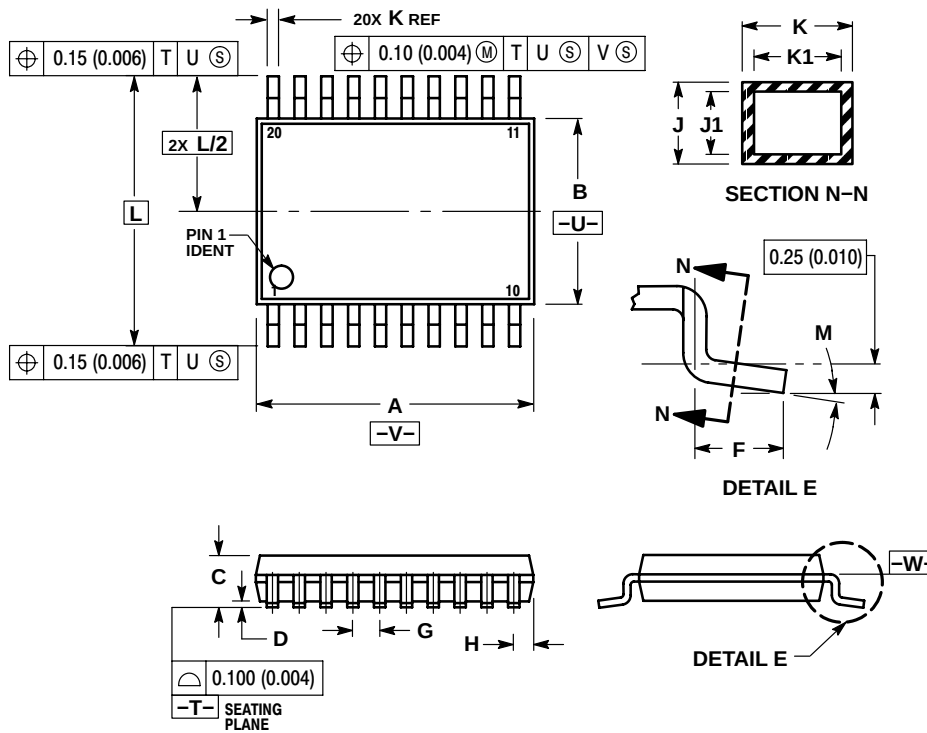


x = 0 or 1
 A = Assembly Location
 WL, L = Wafer Lot
 YY, Y = Year
 WW, W = Work Week
 G or ▪ = Pb-Free Package
 (Note: Microdot may be in either location)

MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

PACKAGE DIMENSIONS

TSSOP-20
DT SUFFIX
CASE 948E-02
ISSUE C

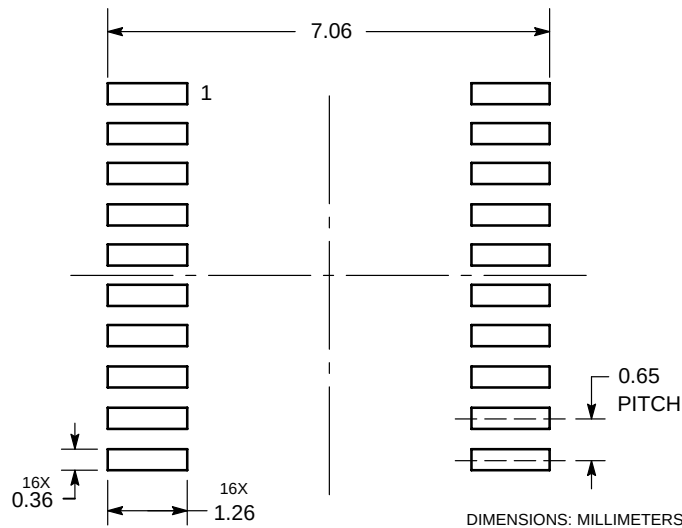


NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: MILLIMETER.
3. DIMENSION A DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH OR GATE BURRS SHALL NOT EXCEED 0.15 (0.006) PER SIDE.
4. DIMENSION B DOES NOT INCLUDE INTERLEAD FLASH OR PROTRUSION. INTERLEAD FLASH OR PROTRUSION SHALL NOT EXCEED 0.25 (0.010) PER SIDE.
5. DIMENSION K DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08 (0.003) TOTAL IN EXCESS OF THE K DIMENSION AT MAXIMUM MATERIAL CONDITION.
6. TERMINAL NUMBERS ARE SHOWN FOR REFERENCE ONLY.
7. DIMENSION A AND B ARE TO BE DETERMINED AT DATUM PLANE -W-.

	MILLIMETERS		INCHES	
DIM	MIN	MAX	MIN	MAX
A	6.40	6.60	0.252	0.260
B	4.30	4.50	0.169	0.177
C	---	1.20	---	0.047
D	0.05	0.15	0.002	0.006
F	0.50	0.75	0.020	0.030
G	0.65 BSC		0.026 BSC	
H	0.27	0.37	0.011	0.015
J	0.09	0.20	0.004	0.008
J1	0.09	0.16	0.004	0.006
K	0.19	0.30	0.007	0.012
K1	0.19	0.25	0.007	0.010
L	6.40 BSC		0.252 BSC	
M	0°	8°	0°	8°

SOLDERING FOOTPRINT*

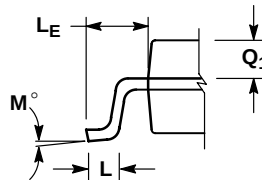
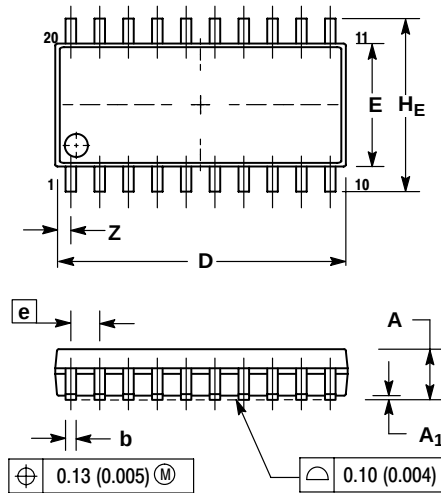


*For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

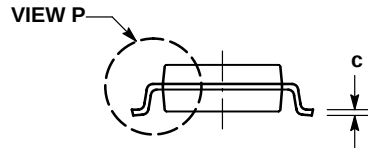
MC74AC540, MC74ACT540, MC74AC541, MC74ACT541

PACKAGE DIMENSIONS

SOEIAJ-20
M SUFFIX
CASE 967-01
ISSUE A



DETAIL P



NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: MILLIMETER.
3. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH OR PROTRUSIONS AND ARE MEASURED AT THE PARTING LINE. MOLD FLASH OR PROTRUSIONS SHALL NOT EXCEED 0.15 (0.006) PER SIDE.
4. TERMINAL NUMBERS ARE SHOWN FOR REFERENCE ONLY.
5. THE LEAD WIDTH DIMENSION (b) DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08 (0.003) TOTAL IN EXCESS OF THE LEAD WIDTH DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT. MINIMUM SPACE BETWEEN PROTRUSIONS AND ADJACENT LEAD TO BE 0.46 (0.018).

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	---	2.05	---	0.081
A ₁	0.05	0.20	0.002	0.008
b	0.35	0.50	0.014	0.020
c	0.15	0.25	0.006	0.010
D	12.35	12.80	0.486	0.504
E	5.10	5.45	0.201	0.215
e	1.27 BSC		0.050 BSC	
H _E	7.40	8.20	0.291	0.323
L	0.50	0.85	0.020	0.033
L _E	1.10	1.50	0.043	0.059
M	0°	10°	0°	10°
Q ₁	0.70	0.90	0.028	0.035
Z	---	0.81	---	0.032

ON Semiconductor and  are registered trademarks of Semiconductor Components Industries, LLC (SCILLC). SCILLC reserves the right to make changes without further notice to any products herein. SCILLC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does SCILLC 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. "Typical" parameters which may be provided in SCILLC 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. SCILLC does not convey any license under its patent rights nor the rights of others. SCILLC products are not designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the SCILLC product could create a situation where personal injury or death may occur. Should Buyer purchase or use SCILLC products for any such unintended or unauthorized application, Buyer shall indemnify and hold SCILLC 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 SCILLC was negligent regarding the design or manufacture of the part. SCILLC 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
P.O. Box 5163, Denver, Colorado 80217 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: 81-3-5773-3850

ON Semiconductor Website: www.onsemi.com

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

For additional information, please contact your local Sales Representative

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 дистрибьюторами 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 РВ 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