

# MECHANICAL CASE OUTLINE

## PACKAGE DIMENSIONS

ON Semiconductor®



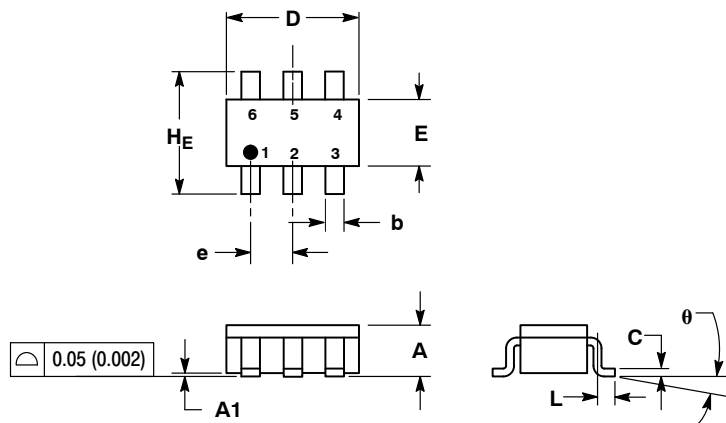
### SC-74

#### CASE 318F-05

#### ISSUE N

DATE 08 JUN 2012

SCALE 2:1

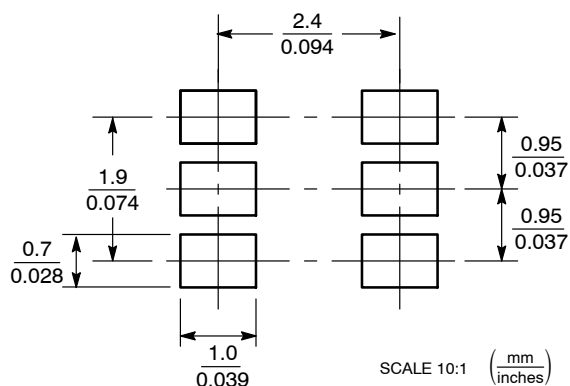


#### NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: INCH.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH THICKNESS. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
4. 318F-01, -02, -03, -04 OBSOLETE. NEW STANDARD 318F-05.

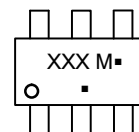
DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.90	1.00	1.10	0.035	0.039	0.043
A1	0.01	0.06	0.10	0.001	0.002	0.004
b	0.25	0.37	0.50	0.010	0.015	0.020
c	0.10	0.18	0.26	0.004	0.007	0.010
D	2.90	3.00	3.10	0.114	0.118	0.122
E	1.30	1.50	1.70	0.051	0.059	0.067
e	0.85	0.95	1.05	0.034	0.037	0.041
L	0.20	0.40	0.60	0.008	0.016	0.024
HE	2.50	2.75	3.00	0.099	0.108	0.118
θ	0°	—	10°	0°	—	10°

#### SOLDERING FOOTPRINT\*



SCALE 10:1 (mm/inches)

#### GENERIC MARKING DIAGRAM\*



XXX = Specific Device Code  
M = Date Code  
▪ = Pb-Free Package

(Note: Microdot may be in either location)

\*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.

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

#### STYLE 1:

PIN 1. CATHODE  
2. ANODE  
3. CATHODE  
4. CATHODE  
5. ANODE  
6. CATHODE

#### STYLE 2:

PIN 1. NO CONNECTION  
2. COLLECTOR  
3. EMITTER  
4. NO CONNECTION  
5. COLLECTOR  
6. BASE

#### STYLE 3:

PIN 1. EMITTER 1  
2. BASE 1  
3. COLLECTOR 2  
4. EMITTER 2  
5. BASE 2  
6. COLLECTOR 1

#### STYLE 4:

PIN 1. COLLECTOR 2  
2. EMITTER 1/EMITTER 2  
3. COLLECTOR 1  
4. EMITTER 3  
5. BASE 1/BASE 2/COLLECTOR 3  
6. BASE 3

#### STYLE 5:

PIN 1. CHANNEL 1  
2. ANODE  
3. CHANNEL 2  
4. CHANNEL 3  
5. CATHODE  
6. CHANNEL 4

#### STYLE 6:

PIN 1. CATHODE  
2. ANODE  
3. CATHODE  
4. CATHODE  
5. CATHODE  
6. CATHODE

#### STYLE 7:

PIN 1. SOURCE 1  
2. GATE 1  
3. DRAIN 2  
4. SOURCE 2  
5. GATE 2  
6. DRAIN 1

#### STYLE 8:

PIN 1. EMITTER 1  
2. BASE 2  
3. COLLECTOR 2  
4. EMITTER 2  
5. BASE 1  
6. COLLECTOR 1

#### STYLE 9:

PIN 1. EMITTER 2  
2. BASE 2  
3. COLLECTOR 1  
4. EMITTER 1  
5. BASE 1  
6. COLLECTOR 2

#### STYLE 10:


PIN 1. ANODE/CATHODE  
2. BASE  
3. EMITTER  
4. COLLECTOR  
5. ANODE  
6. CATHODE

#### STYLE 11:

PIN 1. EMITTER  
2. BASE  
3. ANODE/CATHODE  
4. ANODE  
5. CATHODE  
6. COLLECTOR

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