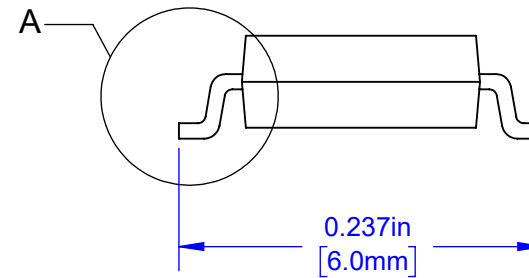
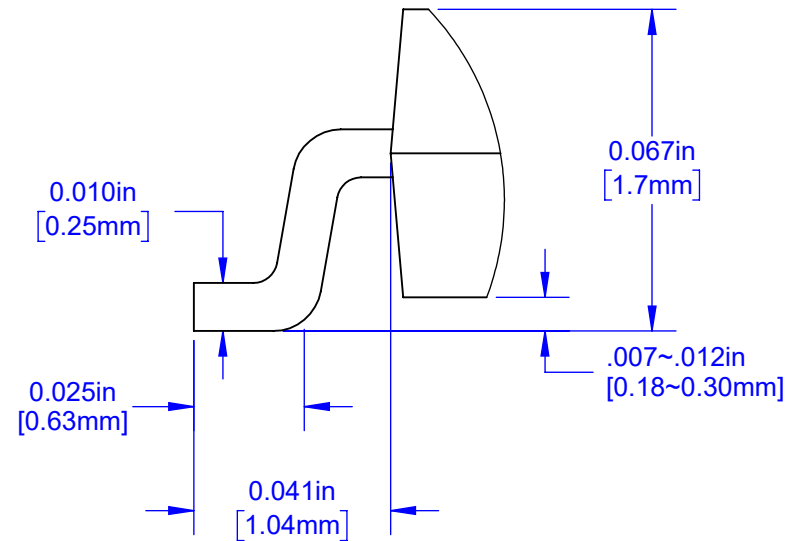


**DETAIL A  
SCALE 25 : 1**

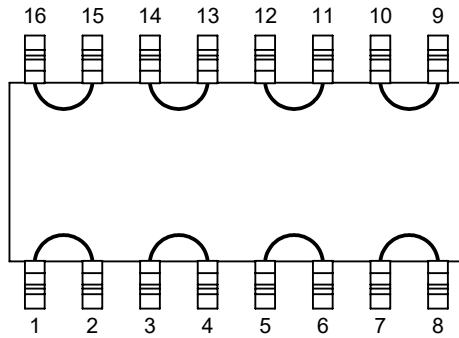


Notes: (Unless Otherwise Specified)

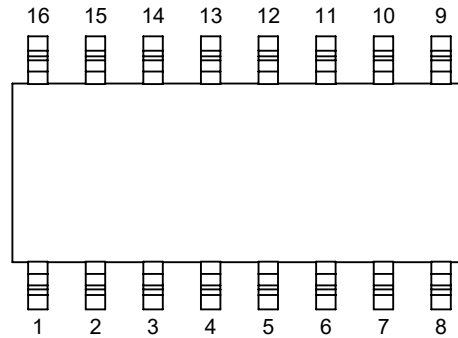
- 1) DIMENSION IN INCH (mm).
- 2) SEE DAISY CHAIN DIAGRAM (PAGE 2).
- 3) SEE PART NUMBER CONFIGURATION (PAGE 3).
- 4) RECOMMENDED PC BOARD LAYOUT PATTERN (PAGE 5).

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au	2/21/2021				
ENG M. Hart	2/21/2021	TITLE SO16 (16-PIN) SOIC 3.9mm PACKAGE			
MFG		SCALE 8:1	SIZE A	DRAWING NO. 121610	REV A
QA					
CUST					
REVISED		DO NOT SCALE DRAWING			SHEET 1 OF 6

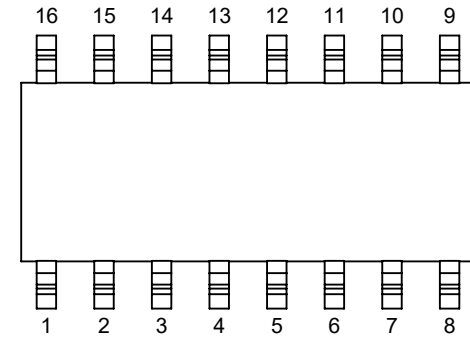
# INTERNAL WIRING CIRCUIT (JUMPER) DAISY CHAIN PART NUMBER SUFFIX TOP VIEW



**DE**  
DAISY CHAIN EVEN

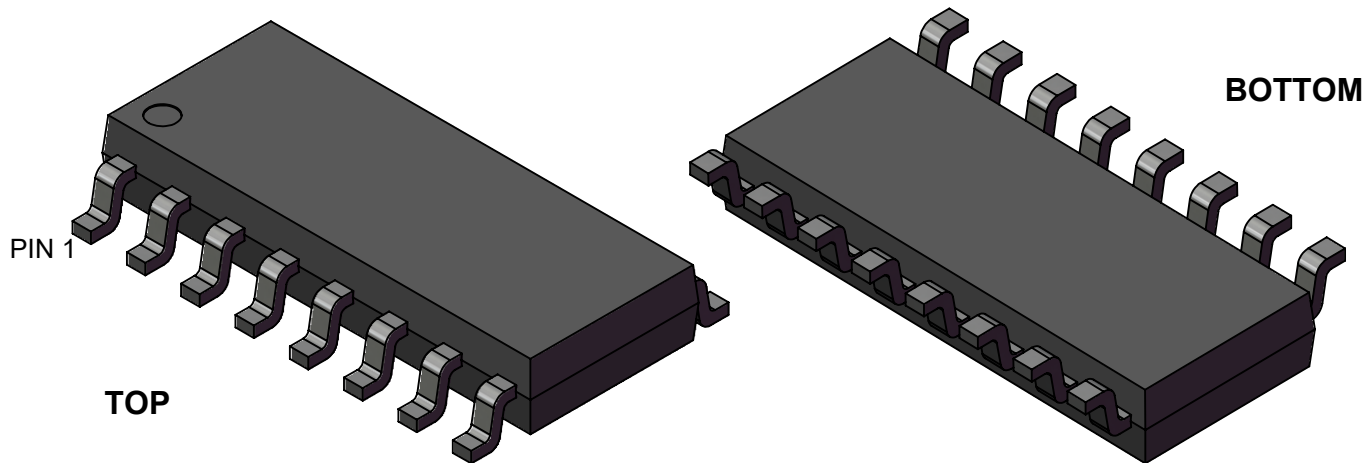


**DUMMY**  
UNSPECIFIED



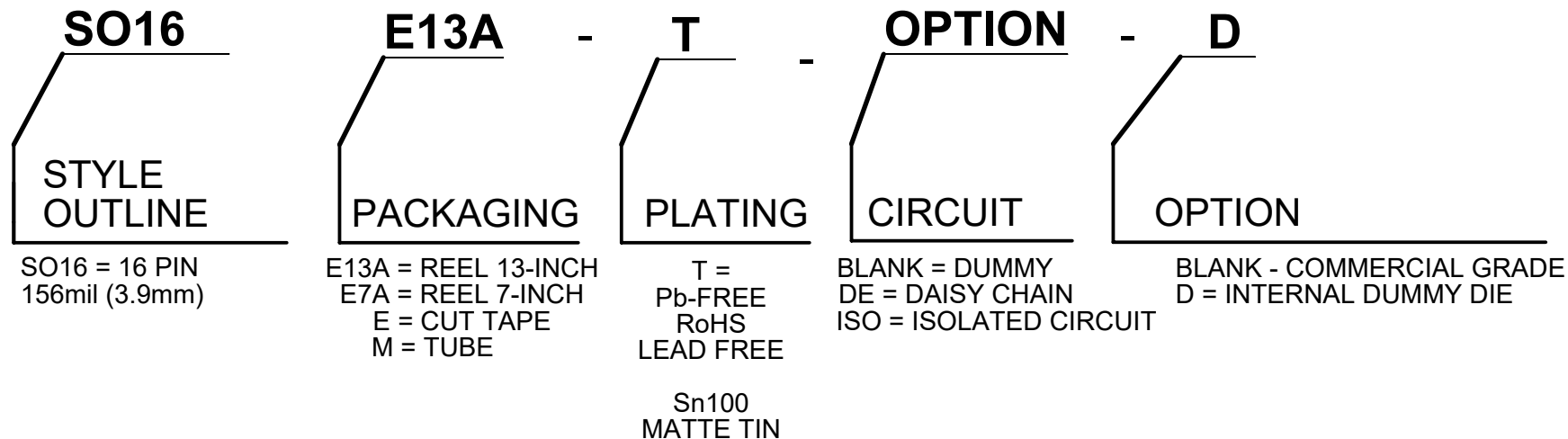
**ISO**  
ISOLATED CIRCUIT  
NO INTERNAL  
CONNECTIONS

## MODEL



<b>TopLine®</b>			
TITLE      SO16 (16-PIN) SOIC 3.9mm PACKAGE			
SCALE	SIZE	DRAWING NO.	REV
8:1	A	121610	A
DO NOT SCALE DRAWING			SHEET 2 OF 6

## PART NUMBERING SYSTEM

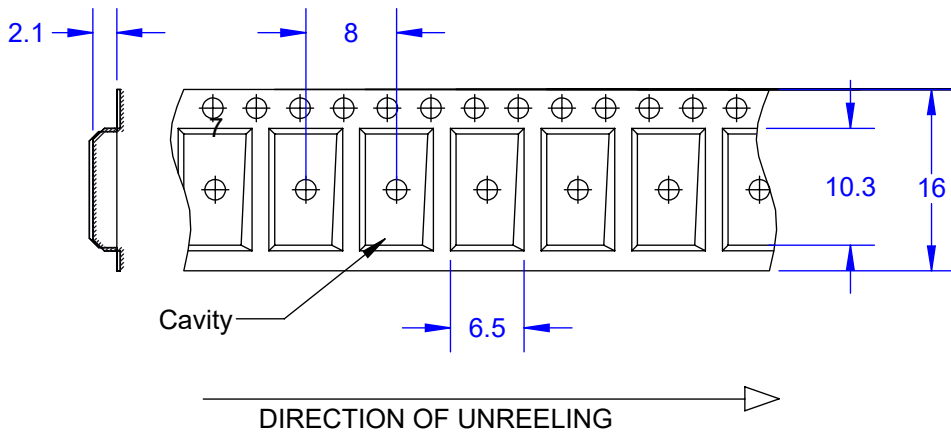


PART NUMBER	SHORTED PINS	PACKAGING	RoHS Pb-FREE	MSL LEVEL
SO16M-T-DE-D	1~2, 3~4, 5~6, 7~8, 9~10, 11~12, 13~14, 15~16	TUBES	YES	3
SO16E13A-T-DE	1~2, 3~4, 5~6, 7~8, 9~10, 11~12, 13~14, 15~16	REEL	YES	3
SO16E13A-T-ISO	FULLY ISOLATED	REEL	YES	3
SO16E13A-T	DUMMY	REEL	YES	3
SO16M-T	DUMMY	TUBES	YES	3
SO16M	DUMMY	TUBES	NO	3

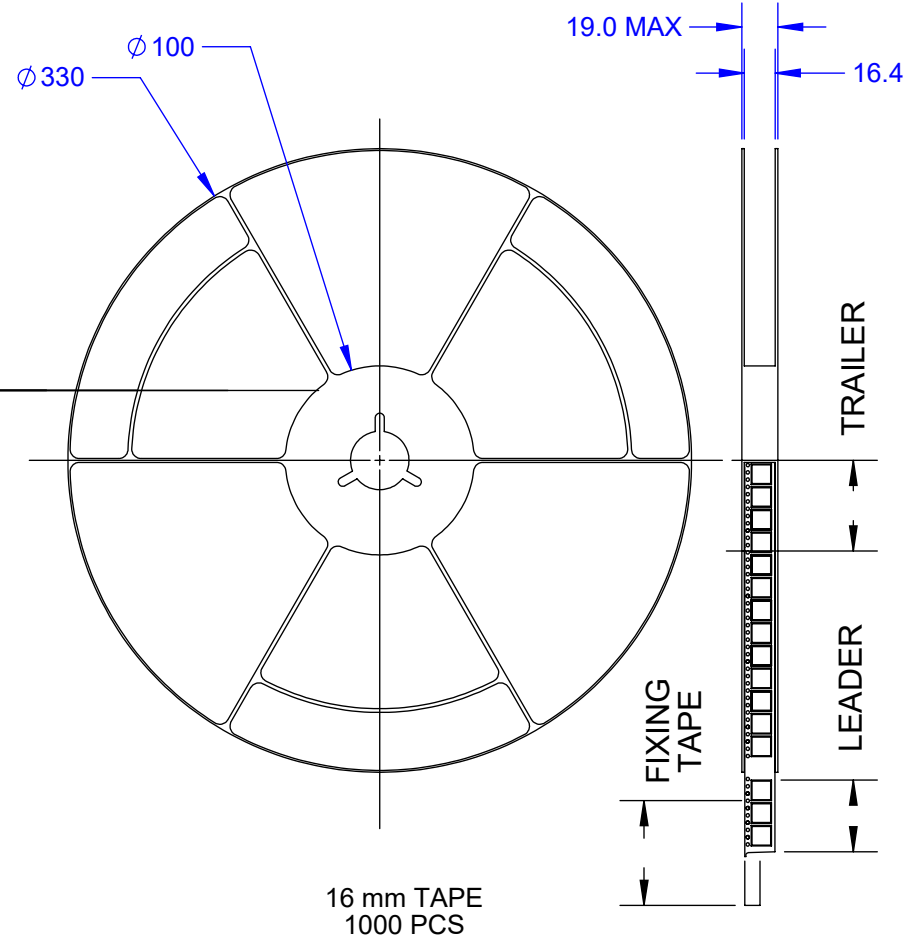
<b>TopLine®</b>			
TITLE			
SO16 (16-PIN) SOIC 3.9mm PACKAGE			
SCALE	SIZE	DRAWING NO.	REV
NONE	A	121610	A
DO NOT SCALE DRAWING			SHEET 3 OF 6

# TAPE SPECIFICATION SO16 SURFACE MOUNT DEVICE

## TAPE DIMENSIONS



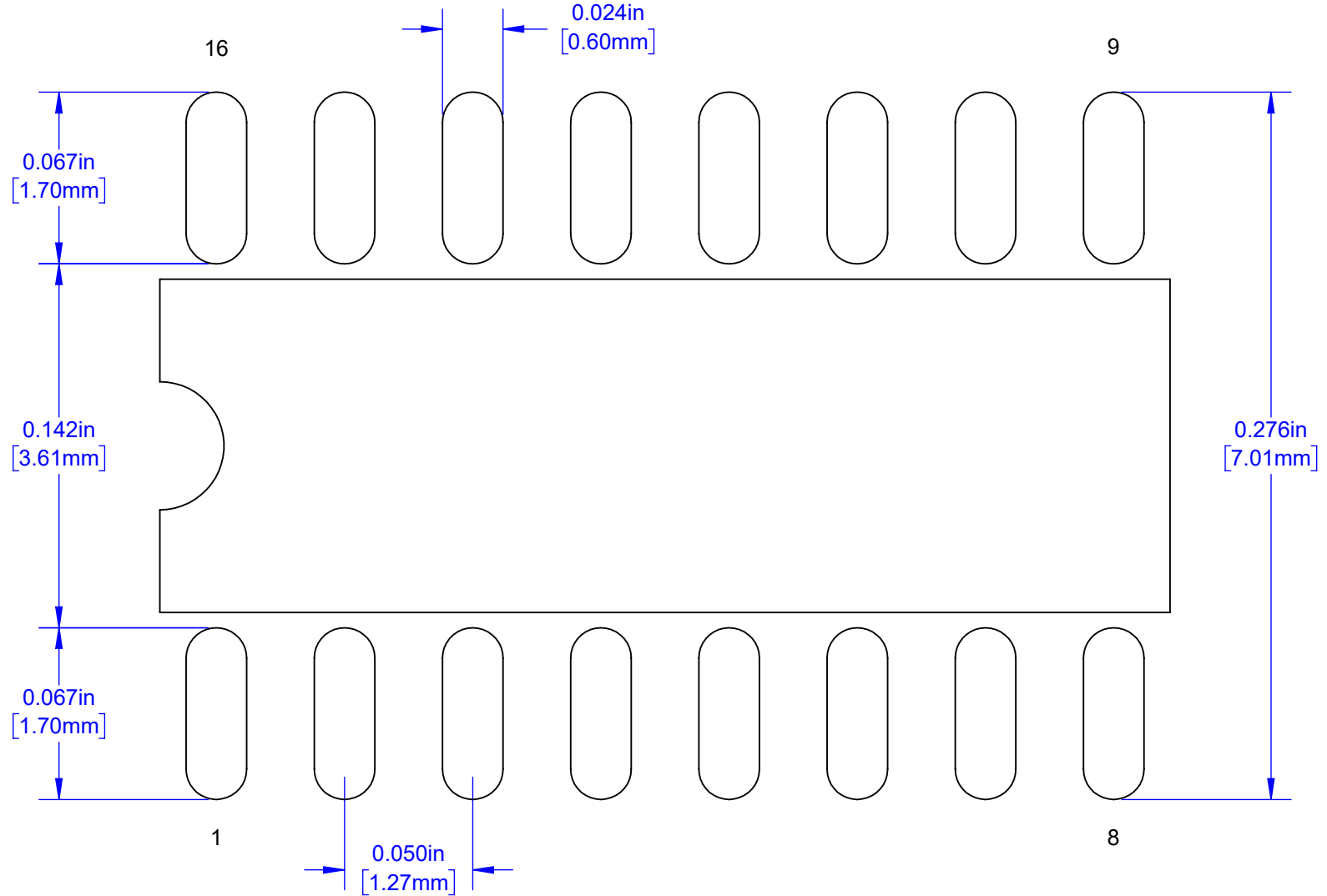
## PACKAGE REEL



ALL DIMENSIONS mm

<b>TopLine®</b>			
TITLE SO16 (16-PIN) SOIC 3.9mm PACKAGE			
SCALE	SIZE	DRAWING NO.	REV
NONE	A	121610	A
DO NOT SCALE DRAWING			SHEET4 OF 6

# PC BOARD LAND PATTERN



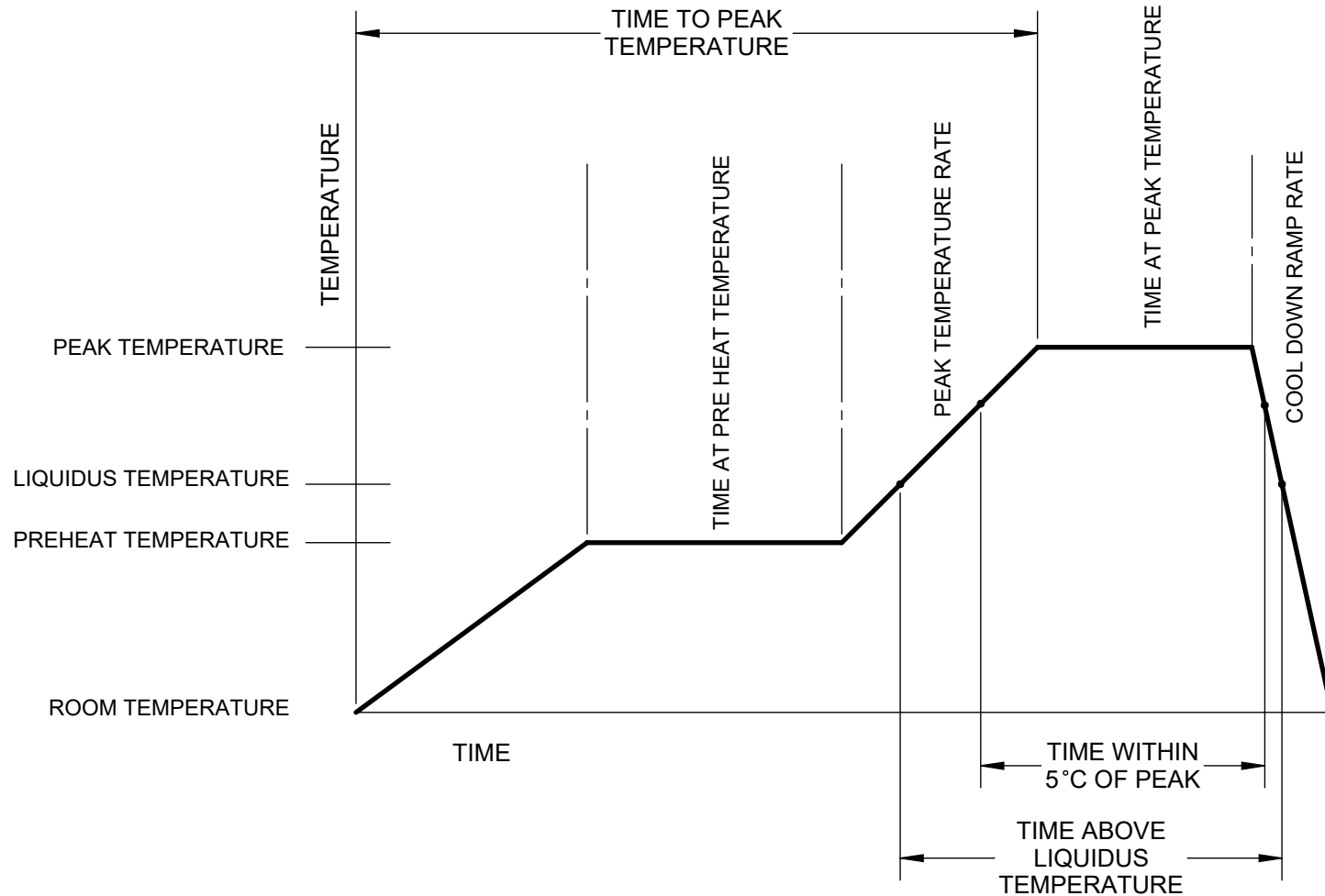
Notes: (Unless Otherwise Specified)

- 1) DIMENSIONS ARE IN INCH (mm).
- 2) PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE.
- 3) DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.

**TopLine®**

TITLE		SO16 (16-PIN) SOIC 3.9mm PACKAGE	
SCALE	SIZE	DRAWING NO.	REV
16:1	A	121610	A
DO NOT SCALE DRAWING			SHEET 5 OF 6

# LEAD FREE REFLOW PROFILE OF SMD PACKAGE



DESCRIPTION	REQUIREMENT
AVERAGE PREHEAT RAMP RATE	3 °C/SECOND MAXIMUM
PREHEAT TEMPERATURE	150 °C MAXIMUM, 200 °C MAXIMUM
PREHEAT TIME	60 TO 80 SECONDS
RAMP TO PEAK	3 °C/SECOND MAXIMUM
TIME OVER LIQUIDUS (217°C)	60 TO 150 SECONDS
PEAK TEMPERATURE	260 °C +0/-5 °C
TIME WITHIN 5°C OF PEAK	20 TO 40 SECONDS
RAMP - COOL DOWN	6 °C/SECONDS MAXIMUM
TIME 25°C TO PEAK	8 MINUTES MAXIMUM

<b>TopLine®</b>			
TITLE SO16 (16-PIN) SOIC 3.9mm PACKAGE			
SCALE	SIZE	DRAWING NO.	REV
NONE	A	121610	A
DO NOT SCALE DRAWING			SHEET 6 OF 6