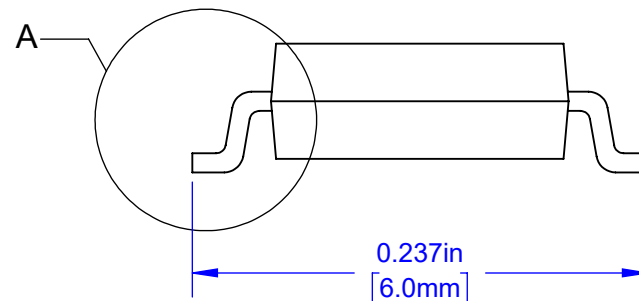
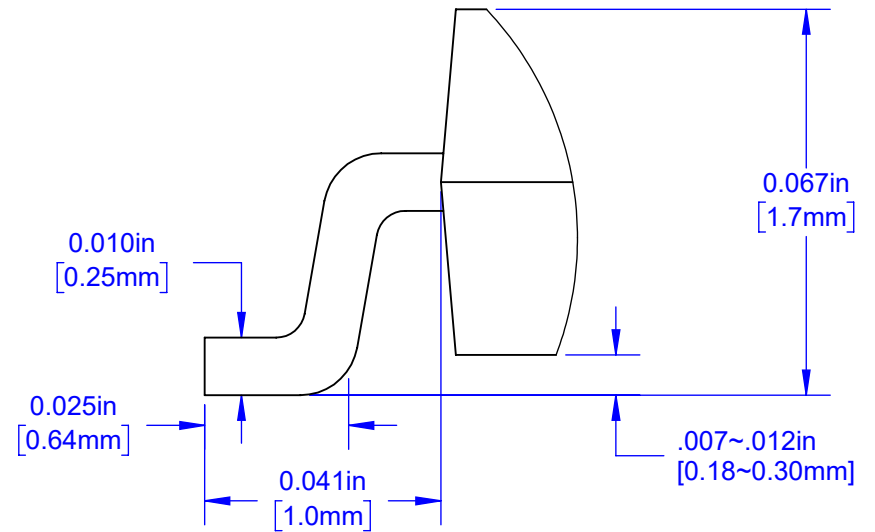


**DETAIL A
SCALE 30 : 1**

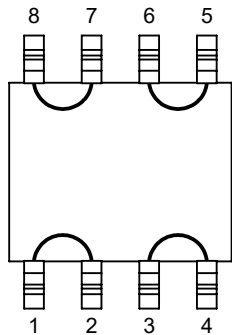


Notes: (Unless Otherwise Specified)

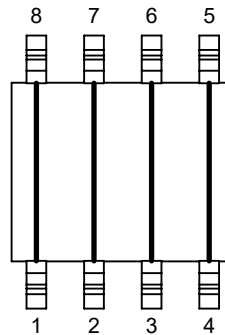
- 1) DIMENSION IN INCH (mm).
- 2) SEE JUMPER DIAGRAMS (PAGE 2).
- 3) SEE PART NUMBER CONFIGURATION (PAGE 4).
- 4) RECOMMENDED PC BOARD LAYOUT PATTERN (PAGE 7).

APPROVALS	DATE	TopLine®			
DRAWN T. Au	3/5/2021				
ENG M. Hart	3/5/2021	TITLE SO8-DC28 ZERO OHM JUMPER			
MFG		SCALE 10:1	SIZE A	DRAWING NO. 100828	REV A
QA					
CUST					
REVISED		DO NOT SCALE DRAWING			SHEET 1 OF 8

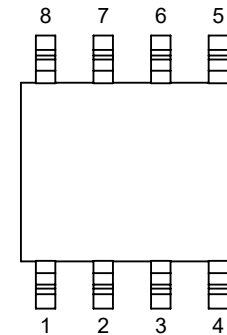
INTERNAL WIRING CIRCUIT (JUMPER) DAISY CHAIN PART NUMBER SUFFIX TOP VIEW



DE
DAISY CHAIN EVEN

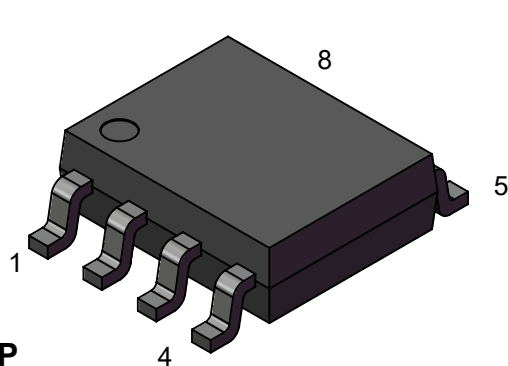


DC28
JUMPER

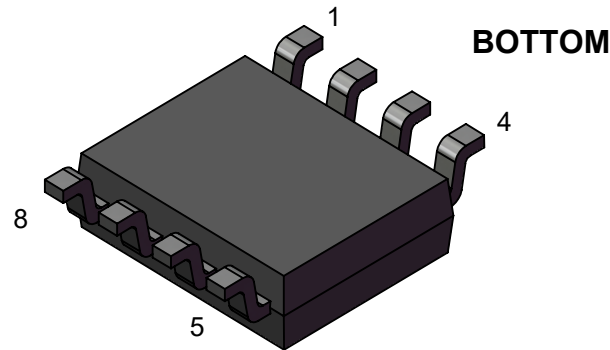


ISO
ISOLATED CIRCUIT
NO INTERNAL
CONNECTIONS

MODEL



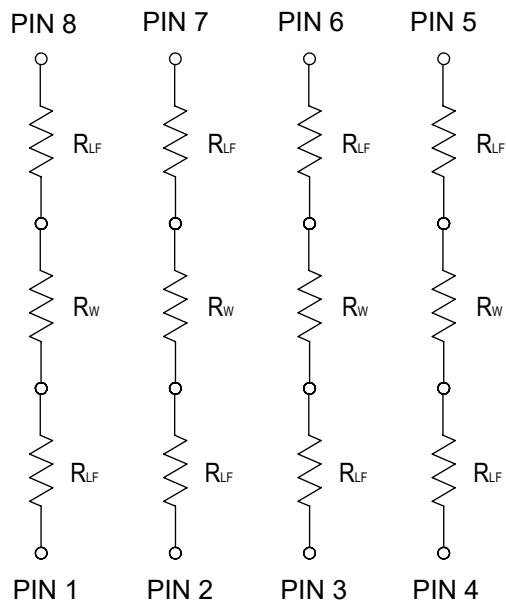
TOP



BOTTOM

TopLine®			
TITLE SO8-DC28 ZERO OHM JUMPER			
SCALE	SIZE	DRAWING NO.	REV
8:1	A	100828	A
DO NOT SCALE DRAWING			SHEET 2 OF 8

SCHEMATIC EQUIVALENT INTERNAL CIRCUIT (DC28)



R_W = GOLD WIRE-BOND.
 R_{LF} = LEAD FRAME.

ELECTRICAL RESISTANCE MILIOHM (DC) MAX

CIRCUIT	PIN TO PIN
1 ~ 8	50 mΩ
2 ~ 7	50 mΩ
3 ~ 6	50 mΩ
4 ~ 5	50 mΩ

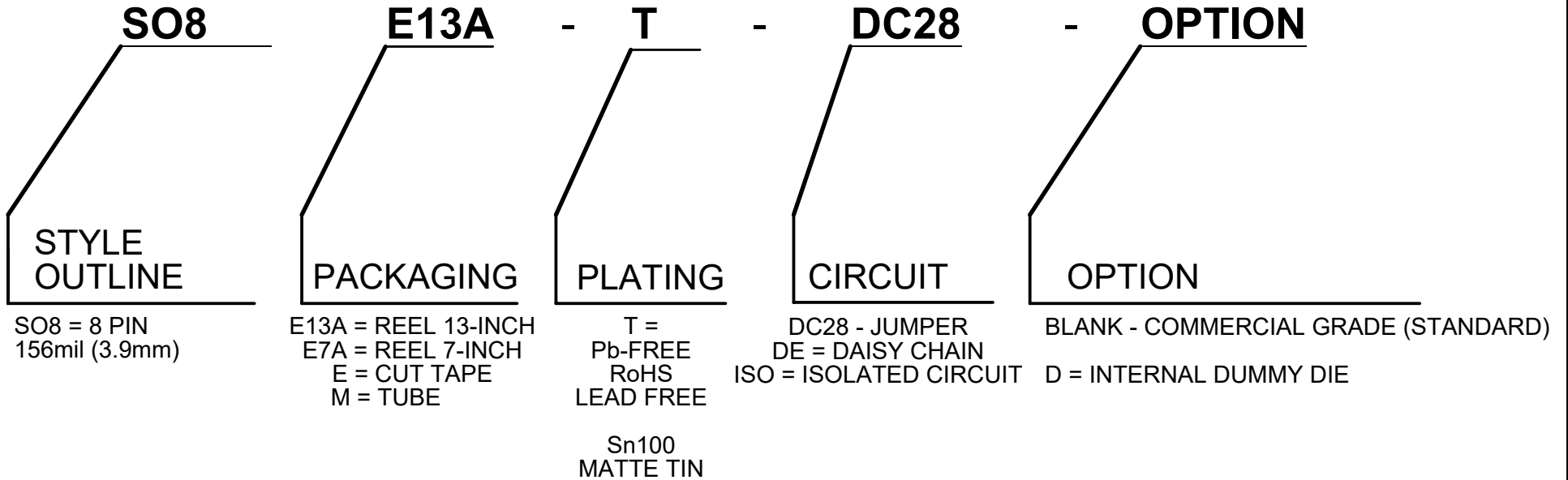
TEMPERATURE RATING	
JUNCTION TEMP T_J	150°C
STORAGE TEMP T_{stg}	-65°C TO 150°C
OPERATING TEMP	-65°C TO 150°C
PEAK REFLOW TEMP T_{reflow} 10 SECONDS	260°C

THERMAL RESISTANCE	
JUNCTION TO AMBIENT ($T_a=25^\circ$) $R_{th(j-a)}$	350K/W

MAXIMUM ELECTRICAL (DC) RATING PER PIN	
WORKING VOLTAGE	100 V
CURRENT RATING	100mA
POWER @ 25°C	350 mW

TopLine®			
TITLE		SO8-DC28 ZERO OHM JUMPER	
SCALE	SIZE	DRAWING NO.	REV
NONE	A	100828	A
DO NOT SCALE DRAWING			SHEET 3 OF 8

PART NUMBERING SYSTEM



PART NUMBER	SHORTED PINS	NOTES	RoHS Pb-FREE	MSL LEVEL
SO8E13A-T-DC28	1-8, 2-7, 3-6, 4-5	4 WIRES	YES	3
SO8E13A-T-DE	1-2, 3-4, 5-6, 7-8	4 WIRES	YES	3
SO8E13A-T	N/A	DUMMY	YES	3
SO8E13A-T-ISO	NONE	FULLY ISOLATED	YES	3

TopLine®			
TITLE SO8-DC28 ZERO OHM JUMPER			
SCALE NONE	SIZE A	DRAWING NO. 100828	REV A
DO NOT SCALE DRAWING			SHEET 4 OF 8

**MATERIALS CONTENT DECLARATION FORM
SO8 PACKAGE**

Component	Material	Material		Substance	CAS No.	Substance		
		(%wt)	(mg)			(%wt)	(mg)	(ppm)
Die	Si	1.96%	1.52	Si	7440-21-3	1.96%	1.52	1,960
Bond Wire	Gold	0.28%	0.22	Au	7440-57-5	0.28%	0.22	280
Leadframe	Copper	36.4%	28.7	Cu	7440-50-8	36.4%	287	364,000
Die Attach	Epoxy	0.56%	0.44	Ag	7440-22-4	0.50%	0.35	5,000
				Epoxy Resin	Proprietary	0.06%	0.09	621
Encapsulation	EMC	56.6%	44.7	Silica (fused)	60676-86-0	42.9%	32.0	429,000
				Epoxy Resin	Proprietary	5.3%	4.2	158,921
				Sb ₂ O ₃	1309-64-4	1.24%	1.8	12,414
				TBBA	79-94-7	1.52%	2.2	15,172
				Carbon	1333-86-4	0.28%	0.4	2,759
Plating	Matte Tin	4.2%	3.35	Sn	7440-31-5	4.2%	3.35	15,862

Package Weight (mg): 78.93

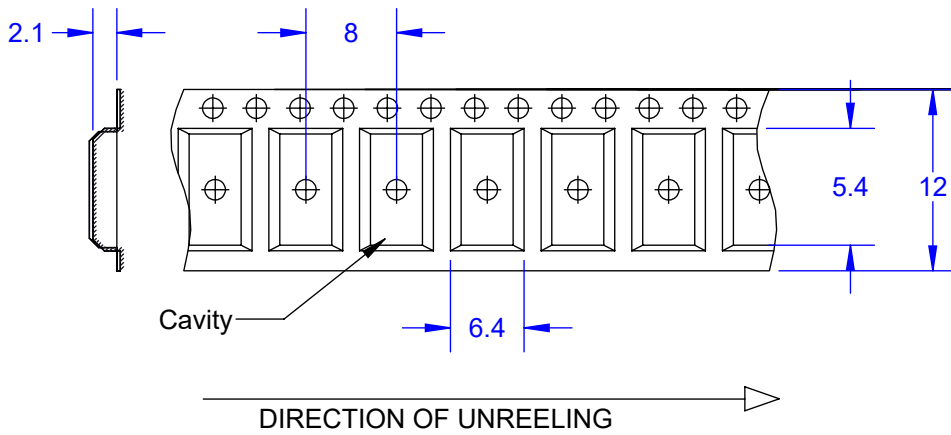
% Total: 100

This Pb-Free package is compliant to RoHS and meet the Directive 2002/95/ED (RoHS) requirement as well as (REACH) Eu Directive 1999/45/EC and 1907/2006/EC

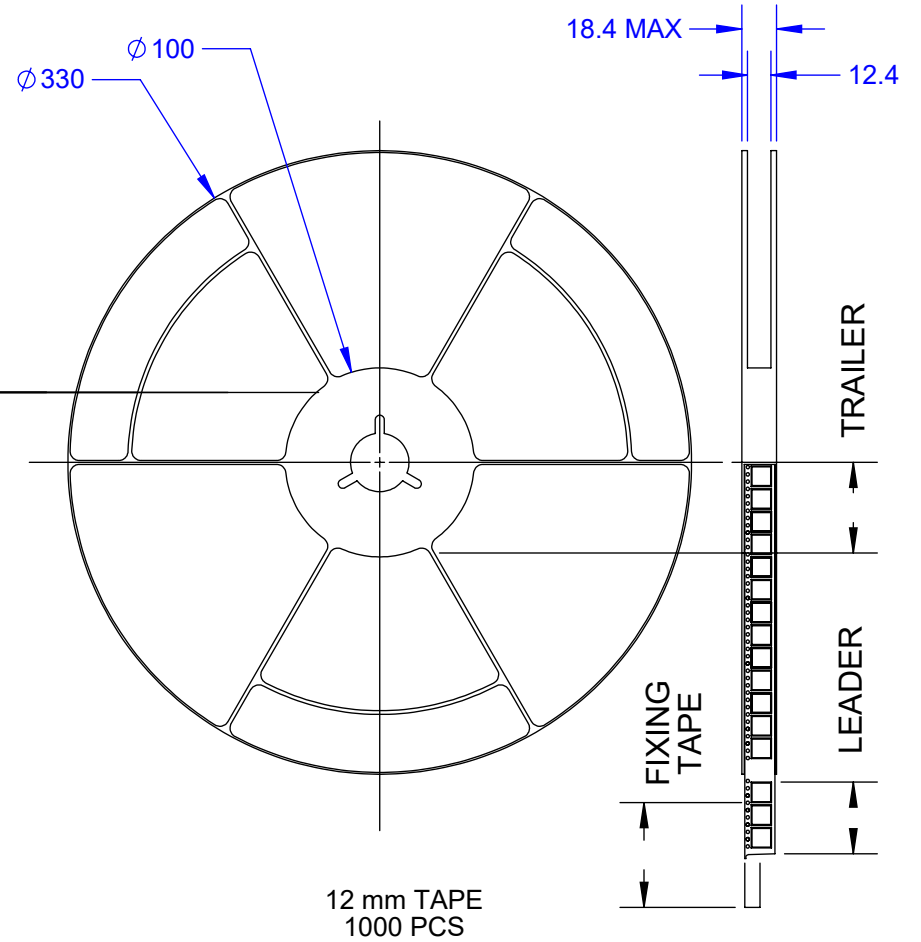
TopLine®			
TITLE SO8-DC28 ZERO OHM JUMPER			
SCALE NONE	SIZE A	DRAWING NO. 100828	REV A
DO NOT SCALE DRAWING			SHEET 5 OF 8

TAPE SPECIFICATION SO8 SURFACE MOUNT DEVICE

TAPE DIMENSIONS



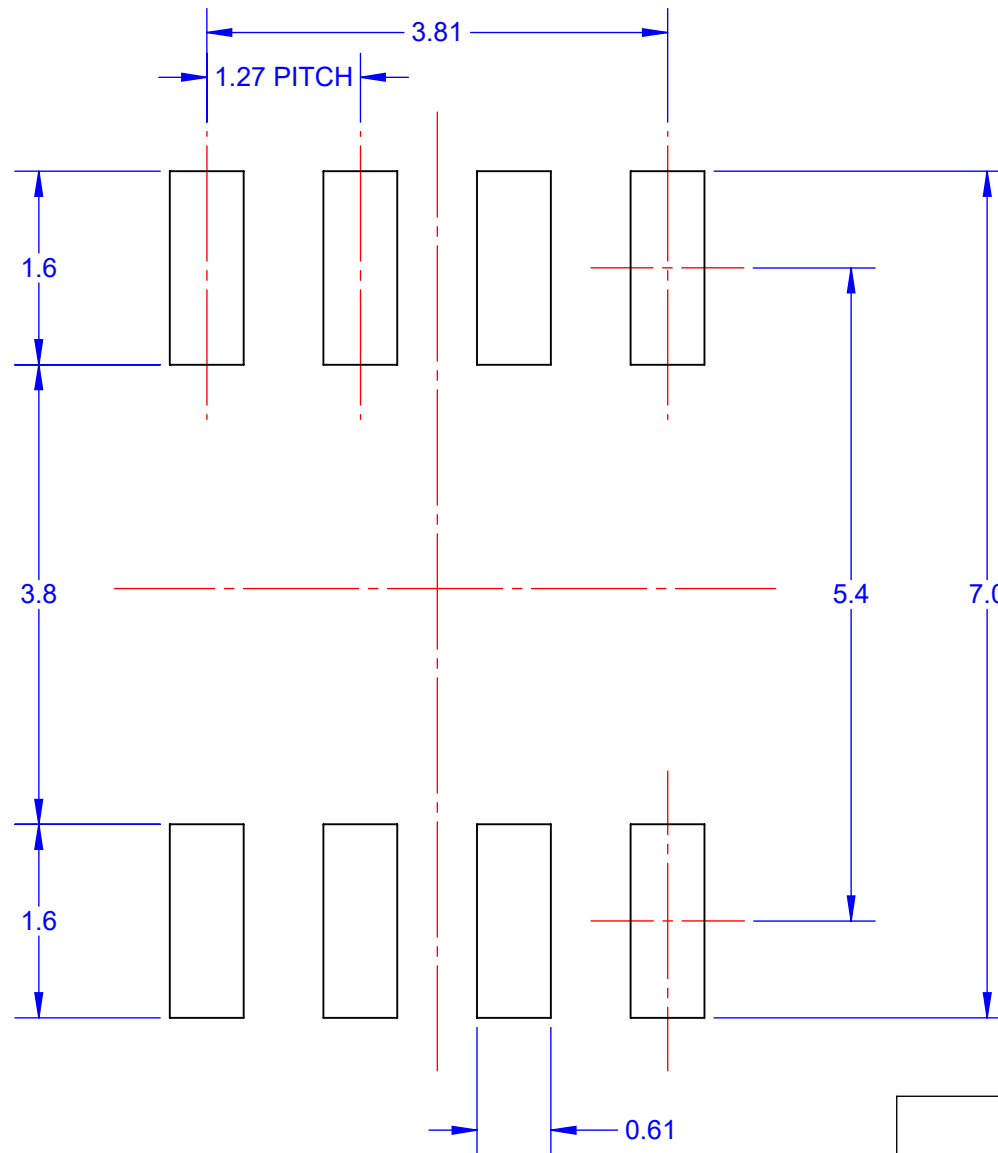
PACKAGE REEL



ALL DIMENSIONS IN mm

TopLine®			
TITLE		SO8-DC28 ZERO OHM JUMPER	
SCALE	SIZE	DRAWING NO.	REV
NONE	A	100828	A
DO NOT SCALE DRAWING			SHEET 6 OF 8

PC BOARD LAND PATTERN

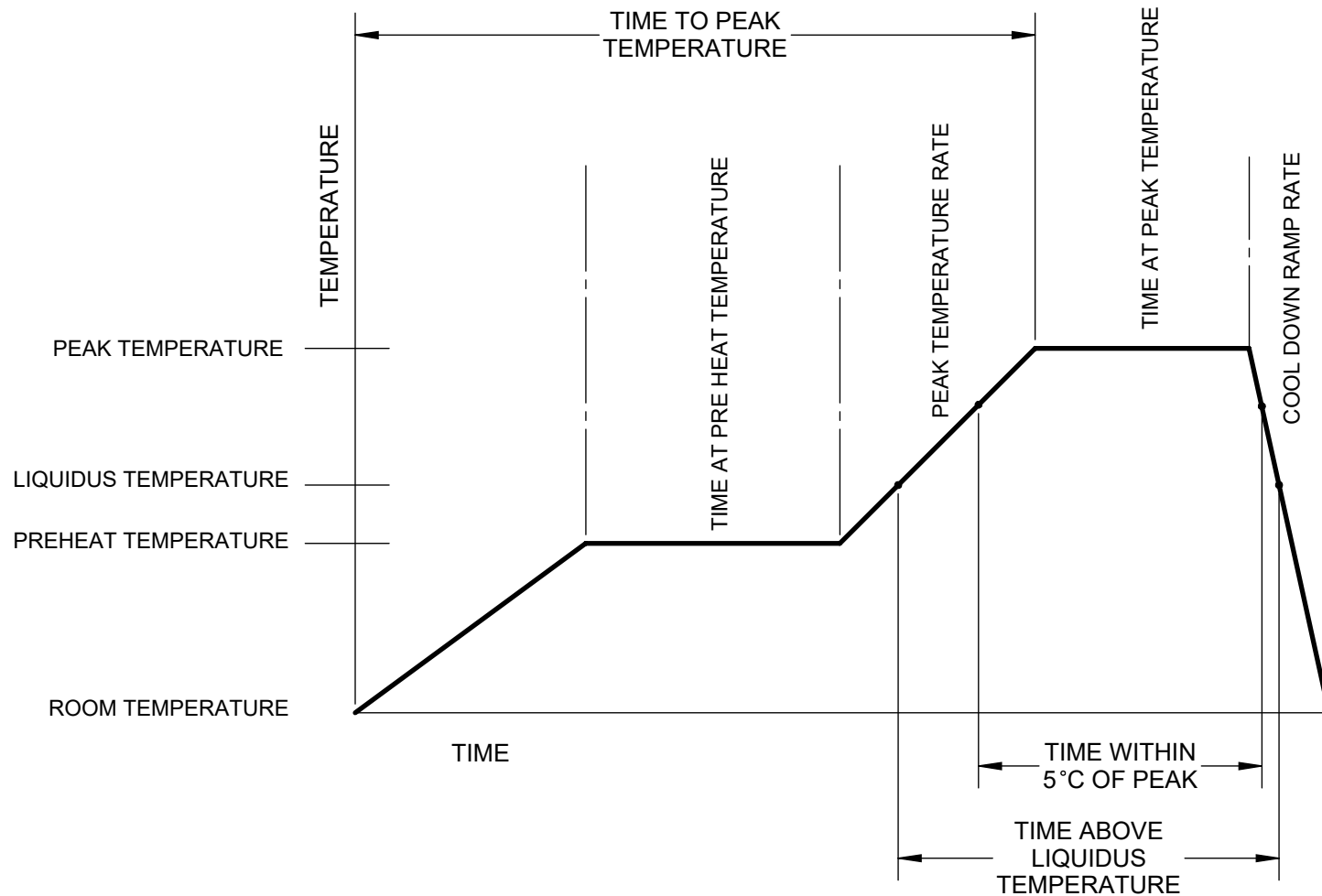


Notes: (Unless Otherwise Specified)

- 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		SO8-DC28 ZERO OHM JUMPER	
SCALE	SIZE	DRAWING NO.	REV
16:1	A	100828	A
DO NOT SCALE DRAWING			SHEET 7 OF 8

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

TopLine®			
TITLE SO8-DC28 ZERO OHM JUMPER			
SCALE	SIZE	DRAWING NO.	REV
NONE	A	100828	A
DO NOT SCALE DRAWING			SHEET 8 OF 8