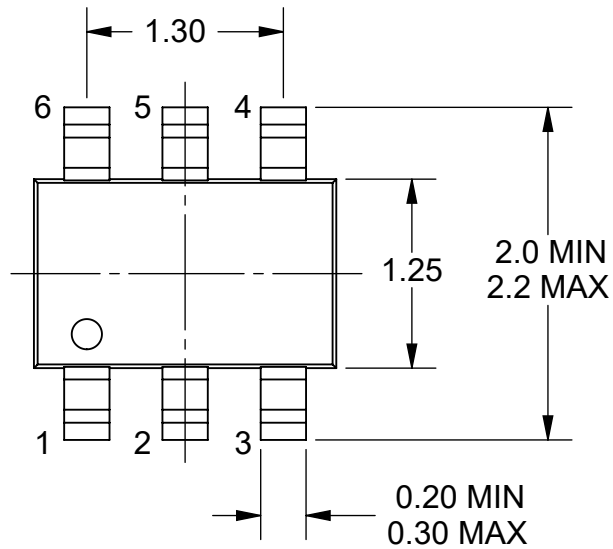
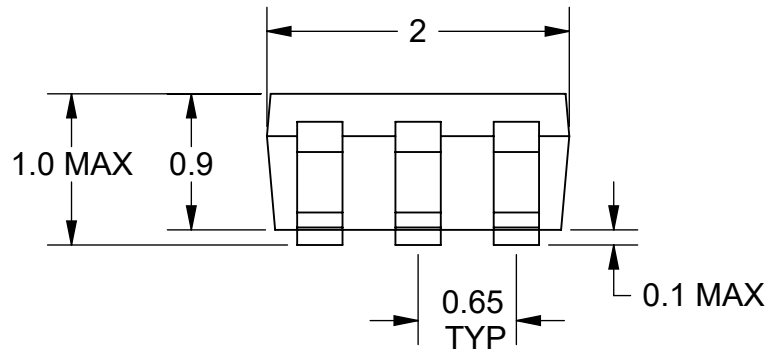


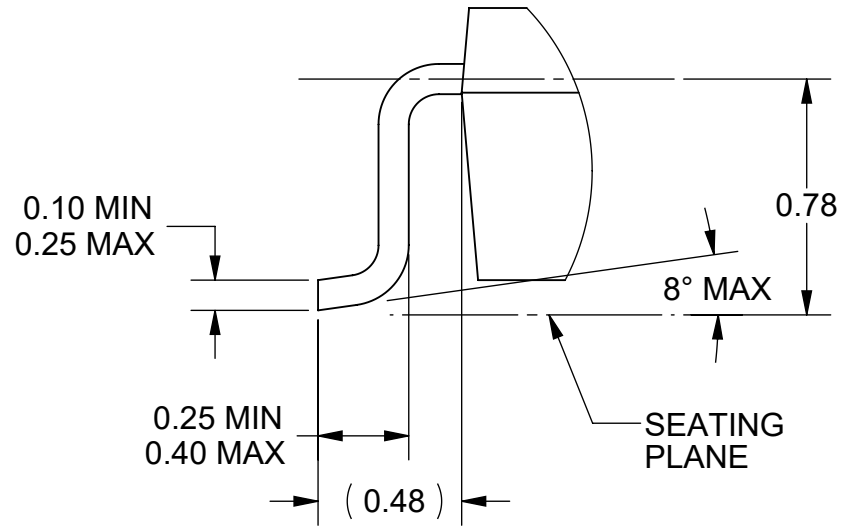
TOP VIEW



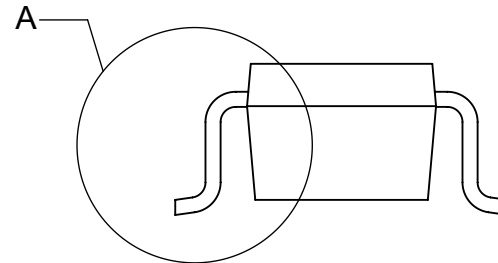
SIDE VIEW



DETAIL A
SCALE 40 : 1


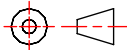


END VIEW

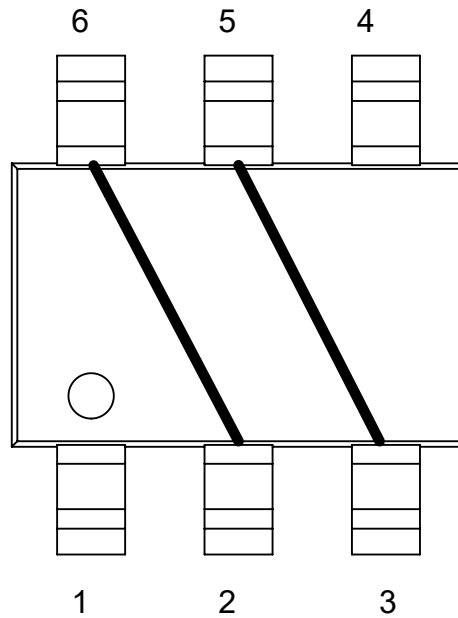


Notes: (Unless Otherwise Specified).

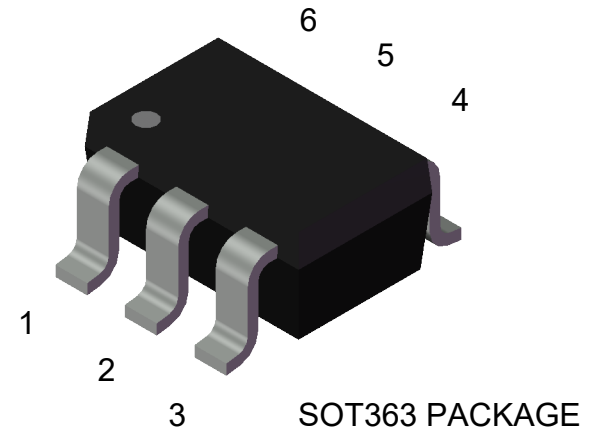
- 1) DIMENSIONS IN mm.
- 2) SEE JUMPER DIAGRAMS (PAGE 2).
- 3) SEE PART NUMBER CONFIGURATION (PAGE 4).
- 4) RECOMMENDED PC BOARD LAYOUT PATTERN (PAGE 7).

TOLERANCE UNLESS NOTED		APPROVALS		DATE				
X.X	+/- 0.3	DRAWN	T. Au	02/08/2023				
X.XX	+/- 0.03	ENG	M. Hart	02/08/2023				
X.XXX	+/- 0.003	MFG			SCALE	SIZE	DRAWING NO.	REV
ANGLES +/- 0.5° ALL DIMENSIONS IN <input type="checkbox"/> INCHES <input checked="" type="checkbox"/> MILLIMETERS		QA			20:1	A	142635	A
THIRD ANGLE PROJECTION 		CUST			DO NOT SCALE DRAWING		SHEET 1 OF 8	
		REVISED						

INTERNAL WIRING CIRCUIT (JUMPER)
 PART NUMBER SUFFIX
 TOP VIEW



**DC2635
 2-WIRES**

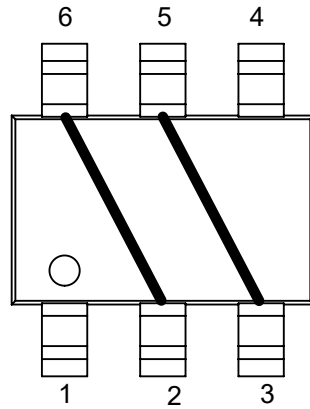


SOT363 PACKAGE

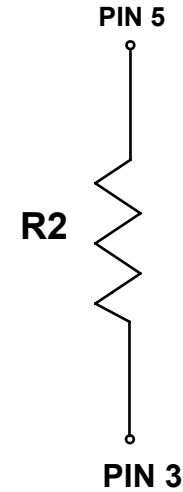
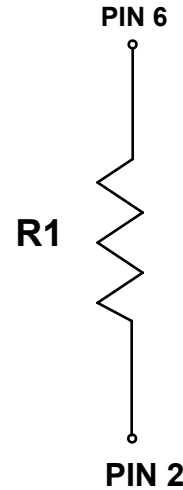
NETLIST	
PIN FROM	PIN TO
2	6
3	5

TopLine ®			
TITLE SOT363 - DC2635 JUMPER 2 to 6 and 3 to 5			
SCALE 20:1	SIZE A	DRAWING NO. 142635	REV A
DO NOT SCALE DRAWING		SHEET 2 OF 8	

SCHEMATIC EQUIVALENT INTERNAL CIRCUIT



**DC2635
2-WIRES**



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

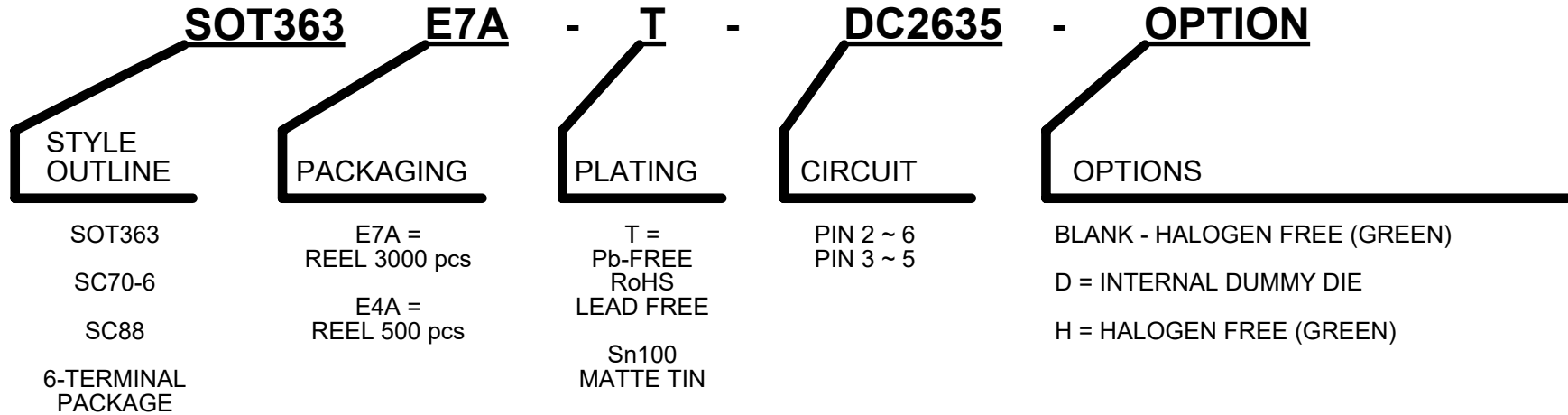
ELECTRICAL RESISTANCE MILLIOHM (DC) MAX		
CIRCUIT	PIN 2 TO 6	PIN 3 TO 5
R1	50 mΩ	-
R2	-	50 mΩ

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

MAXIMUM ELECTRICAL (DC) RATING	
WORKING VOLTAGE	100V
CURRENT RATING	150mA
POWER @ 25°C	200mW

TopLine ®			
TITLE SOT363 - DC2635 JUMPER 2 to 6 and 3 to 5			
SCALE 8:1	SIZE A	DRAWING NO. 142635	REV A
DO NOT SCALE DRAWING			SHEET 3 OF 8

PART NUMBERING SYSTEM




PART NUMBER	SHORTED PINS	NOTES	RoHS Pb-FREE	MSL LEVEL	HALOGEN FREE	GRADE	TOP MARK
SOT363E7A-T-DC2635H	3 ~ 5 2 ~ 6	2-WIRES	YES	1	YES	COMMERCIAL	H

NOTES: ADD "D" TO END OF PART NUMBER FOR DUMMY SILICON DIE.

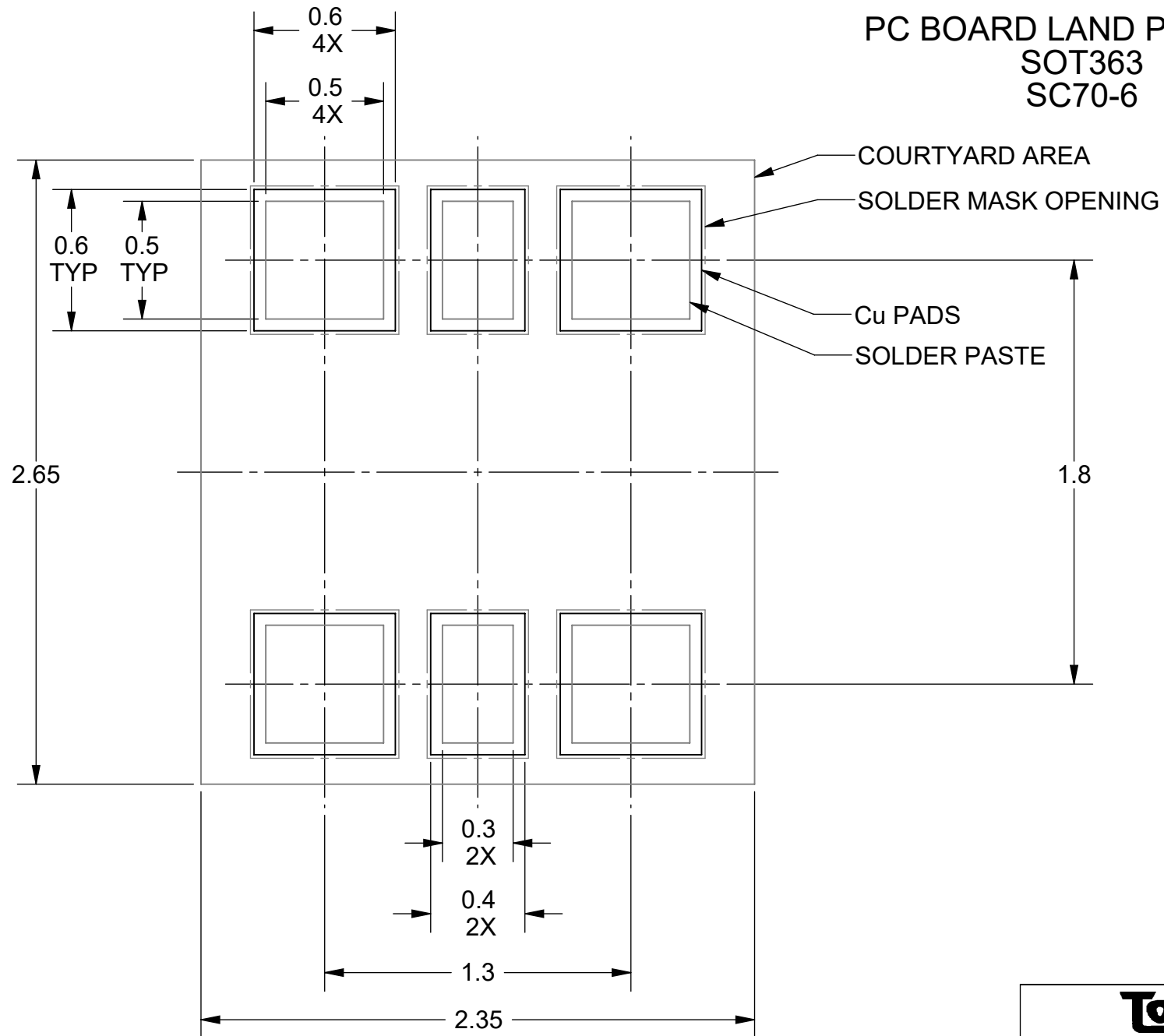
TopLine ®			
TITLE SOT363 - DC2635 JUMPER 2 to 6 and 3 to 5			
SCALE 25:1	SIZE A	DRAWING NO. 142635	REV A
DO NOT SCALE DRAWING			SHEET 4 OF 8

MATERIALS CONTENT DECLARATION FORM
SOT363 (SC70-6) PACKAGE

SOT363 (SC70-6) SC-88 PACKAGE Pb-FREE RoHS					
1 PC WT: 5.49 mg					
COMPOSITION BREAKDOWN	M.U.M. (MAKE UP OF MATERIALS)	CHEMICAL COMPOSITION	CAS NO	MASS %	SUBSTANCE WEIGHT (IN mg)
LEADFRAME (2.07 mg)	ALLOY-42	IRON (Fe) NICKEL (Ni) COBALT (Co) COPPER (Cu) SILVER (Ag) MANGANESE (Mn) SILICON (Si) OTHER	7439-89-6 7440-02-0 7440-48-4 7440-50-8 7440-22-4 7439-96-5 744-21-3 -	55.20 41.58 00.50 00.84 00.12 01.00 00.30 00.46	1.14 0.86 0.01 0.02 0.00 0.02 0.01 0.01
DIE CHIP (0.09 mg)	SILICON	SILICON (Si)	7440-21-3	0.1	0.09
BONDING WIRE (0.02 mg)	GOLD	GOLD (Au)	7440-57-5	0.4	0.02
ENCAPSULATION (2.94 mg)	EPOXY RESIN	CARBON BLACK MISC. SILICA COMPOUNDS EPOXY RESIN SYSTEM PHENOLIC RESIN NON HAZARDOUS CRISTOBALITE	1333-86-4 14464-46-1	00.50 73.10 17.00 00.40 01.00 08.00	00.01 02.15 00.50 00.01 00.03 00.24
TERMINATION PLATING (0.37 mg)	PURE TIN	TIN (Sn)	7440-31-5	100.0	0.37

			
TITLE SOT363 - DC2635 JUMPER 2 to 6 and 3 to 5			
SCALE 1:1	SIZE A	DRAWING NO. 142635	REV A
DO NOT SCALE DRAWING			SHEET 6 OF 8

PC BOARD LAND PATTERN
SOT363
SC70-6



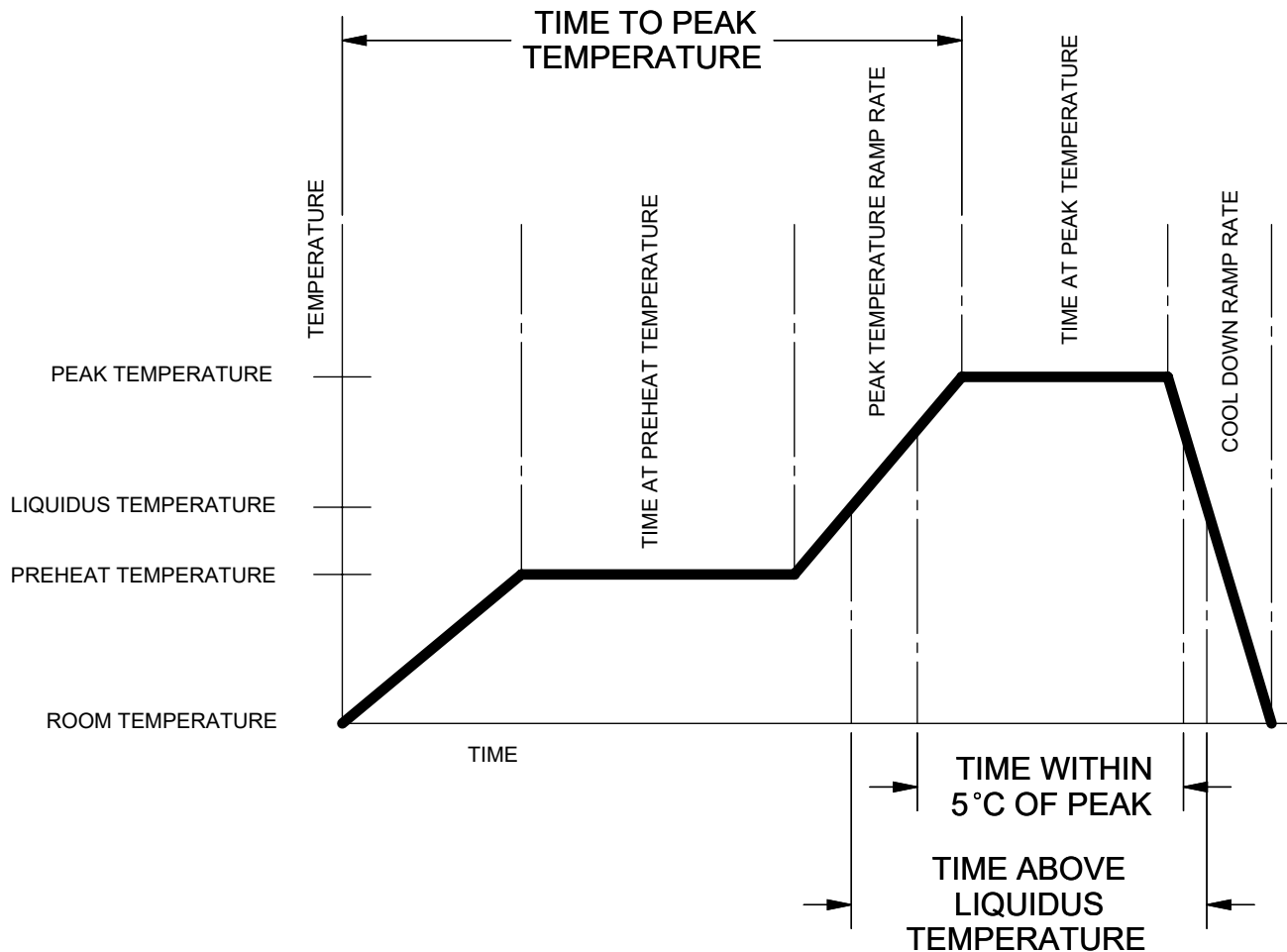
Notes: (Unless Otherwise Specified).

1) DIMENSIONS IN mm.

2) PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE.
DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.

TopLine [®]			
TITLE		SOT363 - DC2635 JUMPER 2 to 6 and 3 to 5	
SCALE	SIZE	DRAWING NO.	REV
40:1	A	142635	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 MINIMUM, 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 WITHING 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 SOT363 - DC2635 JUMPER 2 to 6 and 3 to 5			
SCALE	SIZE	DRAWING NO.	REV
1:1	A	142635	A
DO NOT SCALE DRAWING			SHEET 8 OF 8