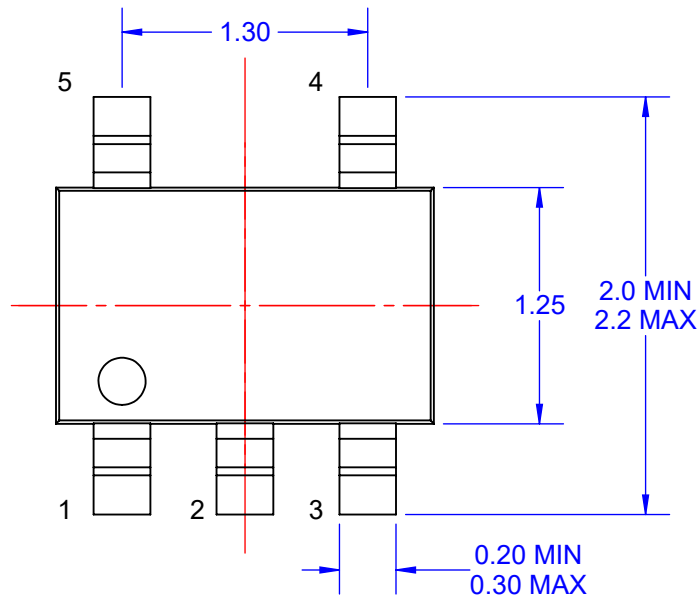
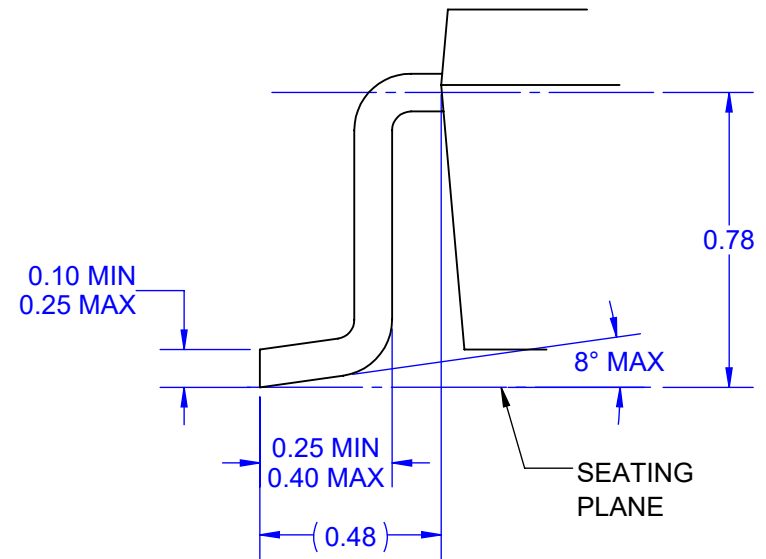


SOT353 JUMPER

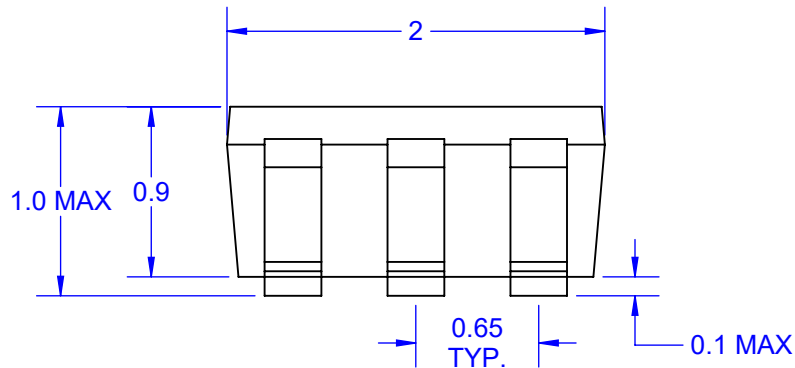
TOP VIEW



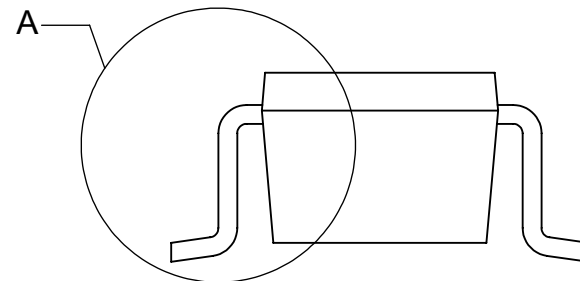
DETAIL A SCALE 50 : 1



SIDE VIEW



END VIEW

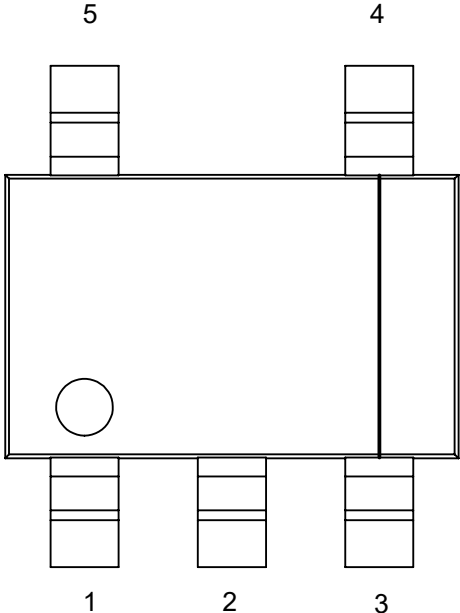


Notes: (Unless Otherwise Specified).

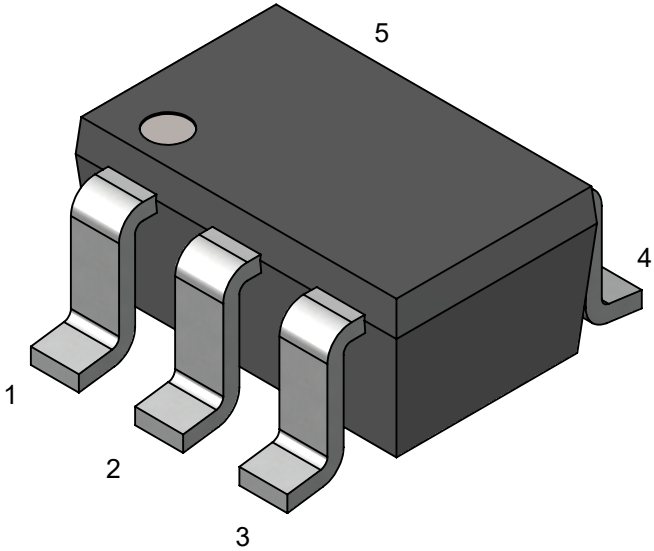
- 1) DIMENSIONS IN mm.
- 2) SEE JUMPER DIAGRAMS (PAGE 2).
- 3) SEE PART NUMBER CONFIGURATION (PAGE 4).
- 4) RECOMMENDED PC BOARD LAYOUT PATTERN (PAGE 7).

APPROVALS	DATE	TopLine [®]			
DRAWN T. Au	2/26/2022				
ENG M. Hart	2/26/2022	TITLE SOT353-DC34 JUMPER			
MFG		SCALE	SIZE	DRAWING NO.	REV
QA		25:1	A	135334	A
CUST		DO NOT SCALE DRAWING			SHEET 1 OF 8
REVISED					

**INTERNAL WIRING CIRCUIT (JUMPER)
PART NUMBER SUFFIX
TOP VIEW**



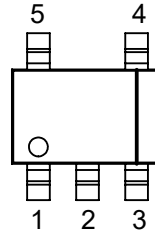
**DC34
1-WIRE**



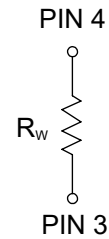
SOT353 PACKAGE

TopLine[®]			
TITLE		SOT353-DC34 JUMPER	
SCALE	SIZE	DRAWING NO.	REV
15:1	A	135334	A
DO NOT SCALE DRAWING			SHEET 2 OF 8

SCHEMATIC EQUIVALENT INTERNAL CIRCUIT



DC34
1-WIRE




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



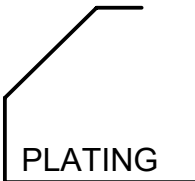
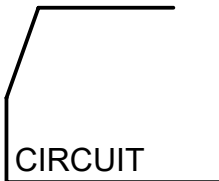

ELECTRICAL RESISTANCE MILLIOHM (DC) MAX					
CIRCUIT	PIN 1 TO 2	PIN 1 TO 5	PIN 3 TO 4	PIN 4 TO 5	PIN 2 TO 4
DC25	--	--	50mΩ	--	--

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	200mV

			
TITLE		SOT353-DC34 JUMPER	
SCALE	SIZE	DRAWING NO.	REV
8:1	A	135334	A
DO NOT SCALE DRAWING			SHEET 3 OF 8

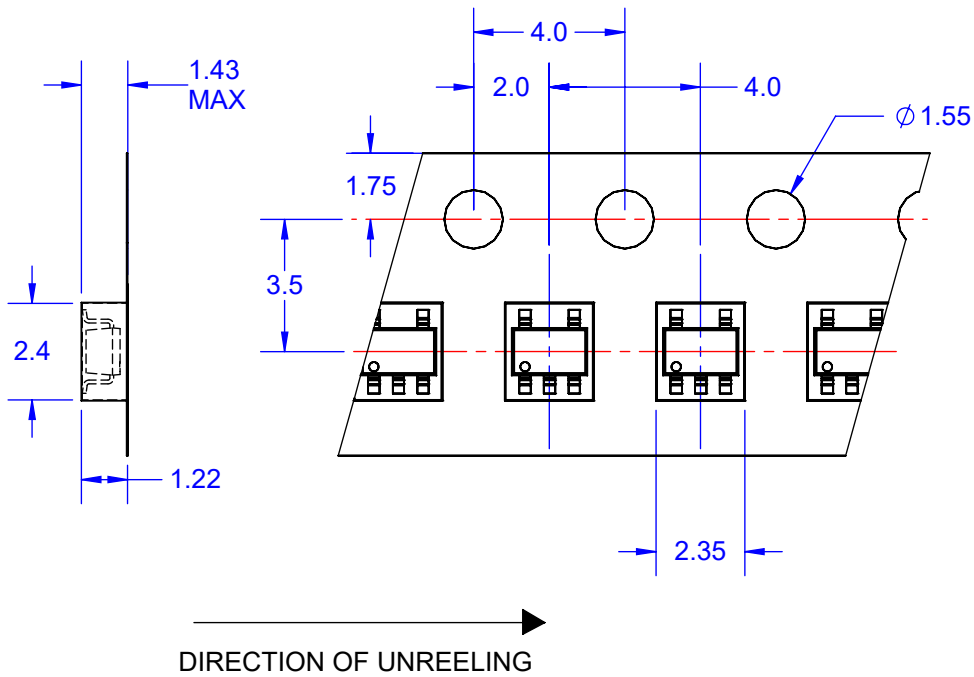
PART NUMBERING SYSTEM

<p style="font-size: 1.5em; font-weight: bold; margin: 0;">SOT353</p>  <p style="font-weight: bold; margin: 5px 0;">STYLE OUTLINE</p> <p>SOT353</p> <p>SC70-5</p> <p>5-TERMINAL PACKAGE</p>	<p style="font-size: 1.5em; font-weight: bold; margin: 0;">E7A</p>  <p style="font-weight: bold; margin: 5px 0;">PACKAGING</p> <p>E7A = REEL 3000 pcs</p> <p>E4A = REEL 500 pcs</p>	<p style="font-size: 1.5em; font-weight: bold; margin: 0;">T</p>  <p style="font-weight: bold; margin: 5px 0;">PLATING</p> <p>T = Pb-FREE RoHS LEAD FREE</p> <p>Sn100 MATTE TIN</p>	<p style="font-size: 1.5em; font-weight: bold; margin: 0;">DC34</p>  <p style="font-weight: bold; margin: 5px 0;">CIRCUIT</p> <p>DC19 = PIN 1-2, 3-4 DC21 = PIN 1-2 DC25 = PIN 1-5, 3-4 DC31 = PIN 1-3 DC32 = PIN 2-3 DC34 = PIN 3-4 DC45 = PIN 4-5 DC51 = PIN 1-5 ISO = ISOLATED CIRCUIT</p>	<p style="font-size: 1.5em; font-weight: bold; margin: 0;">H</p>  <p style="font-weight: bold; margin: 5px 0;">OPTIONS</p> <p>BLANK - COMMERCIAL GRADE (STANDARD)</p> <p>D = INTERNAL DUMMY DIE</p> <p>H = HALOGEN FREE (GREEN)</p>
---	--	--	--	--

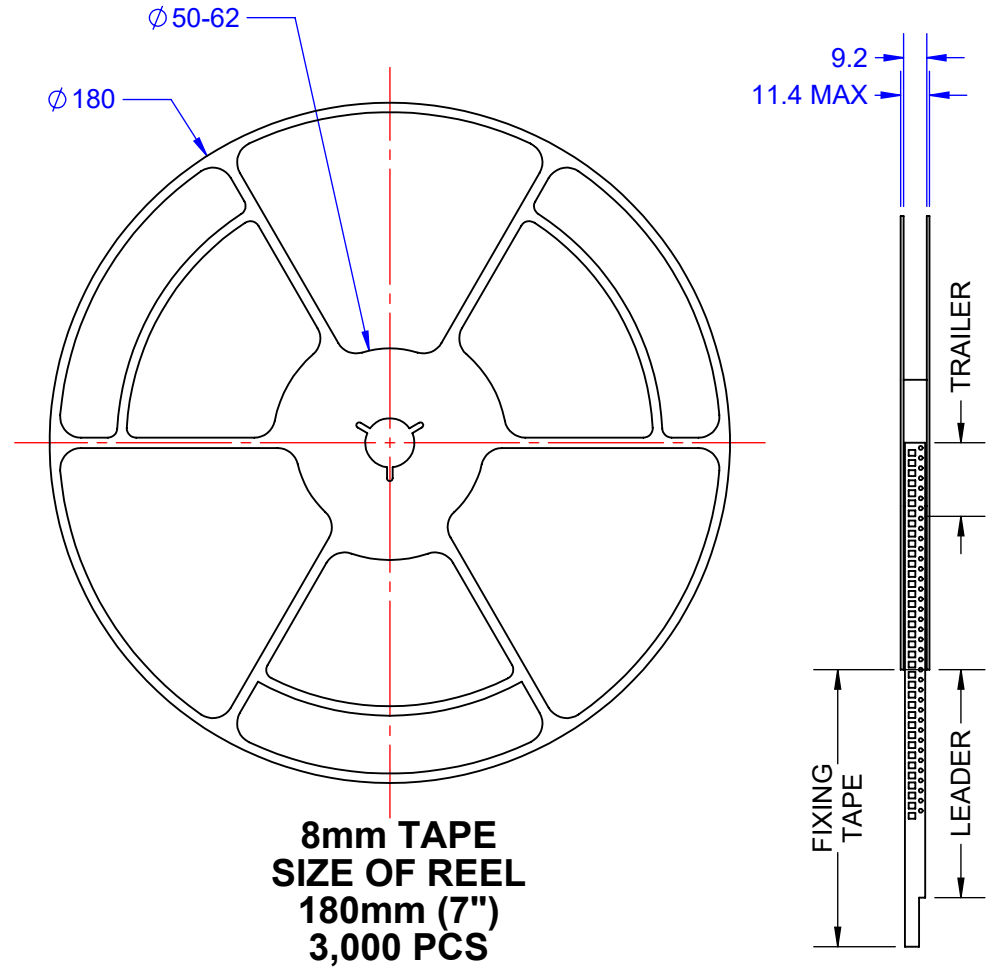
PART NUMBER	SHORTED PINS	RoHS Pb-FREE	MSL LEVEL	HALOGEN FREE	TOP MARK
SOT353E7A-T-DC34H	3 ~ 4	YES	1	YES	34H

			
TITLE		SOT353-DC34 JUMPER	
SCALE NONE	SIZE A	DRAWING NO. 135334	REV A
DO NOT SCALE DRAWING		SHEET 4 OF 8	

TAPE SPECIFICATION FOR SOT353 (SC70-5) SURFACE MOUNT DEVICE



PACKAGE REEL



ALL DIMENSIONS IN mm.

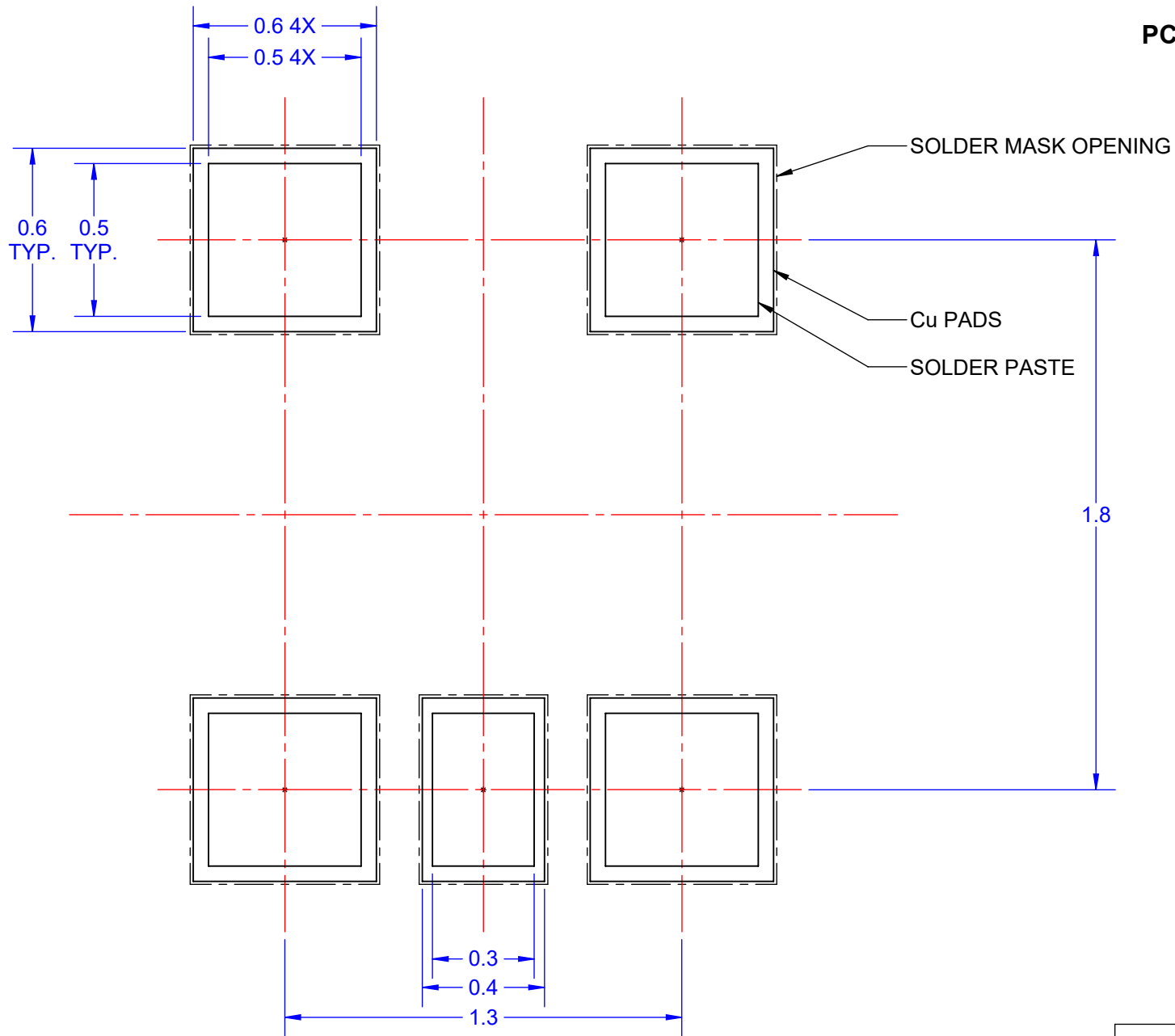
TopLine®			
TITLE		SOT353-DC34 JUMPER	
SCALE	SIZE	DRAWING NO.	REV
1:2	A	135334	A
DO NOT SCALE DRAWING			SHEET 5 OF 8

**MATERIALS CONTENT DECLARATION FORM
SOT353 (SC70-5) PACKAGE**

SOT353 (SC70-5) PACKAGE Pb-FREE RoHS					
1 PC WT: 5.49mg					
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)	7439-89-6	55.20	1.14
		NICKEL (Ni)	7440-02-0	41.58	0.86
		COBALT (Co)	7440-48-4	00.50	0.01
		COPPER (Cu)	7440-50-8	00.84	0.02
		SILVER (Ag)	7440-22-4	00.12	0.00
		MANGANESE (Mn)	7439-96-5	01.00	0.02
		SILICON (Si)	744-21-3	00.30	0.01
		OTHER	-	00.46	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 (2.94mg)	EPOXY RESIN	CARBON BLACK	1333-86-4	00.50	00.01
		MISC. SILICA COMPOUNDS	.	73.10	02.15
		EPOXY RESIN SYSTEM	.	17.00	00.50
		PHENOLIC RESIN	.	00.40	00.01
		NON HAZARDOUS CRISTOBALITE	14464-46-1	01.00	00.03
TERMINATION PLATING (0.37mg)	PURE TIN	TIN (Sn)	7440-31-5	100.0	0.37

TopLine®			
TITLE		SOT353-DC34 JUMPER	
SCALE	SIZE	DRAWING NO.	REV
NONE	A	135334	A
DO NOT SCALE DRAWING			SHEET 6 OF 8

PC BOARD LAND PATTERN
SOT353
SC70-5

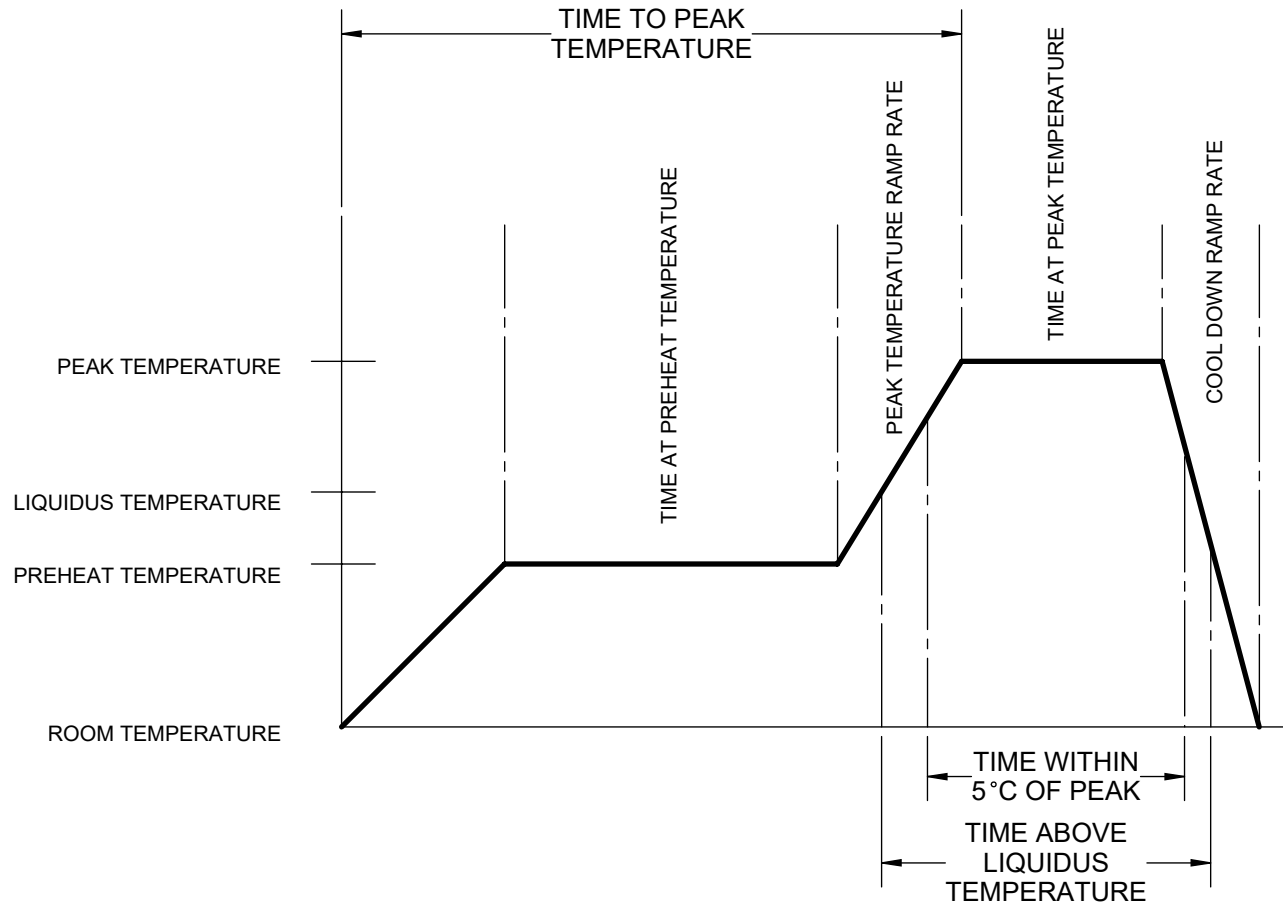


Notes: (Unless Otherwise Specified).

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

TopLine[®]			
TITLE		SOT353-DC34 JUMPER	
SCALE	SIZE	DRAWING NO.	REV
50:1	A	135334	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 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		SOT353-DC34 JUMPER	
SCALE	SIZE	DRAWING NO.	REV
NONE	A	135334	A
DO NOT SCALE DRAWING			SHEET 8 OF 8