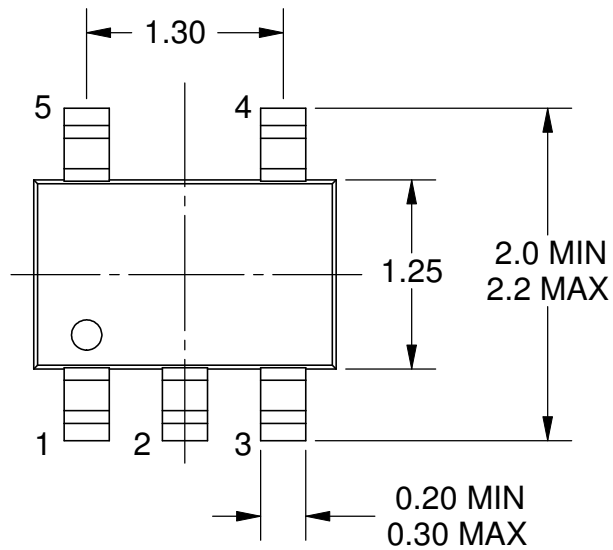
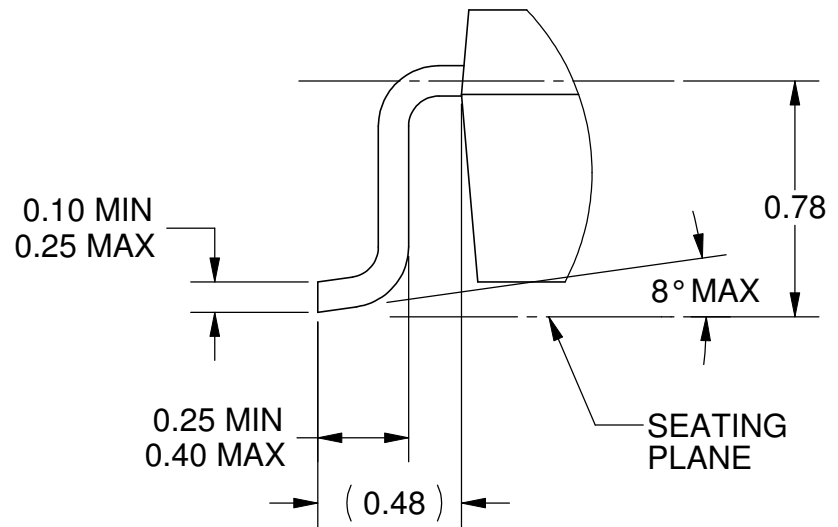


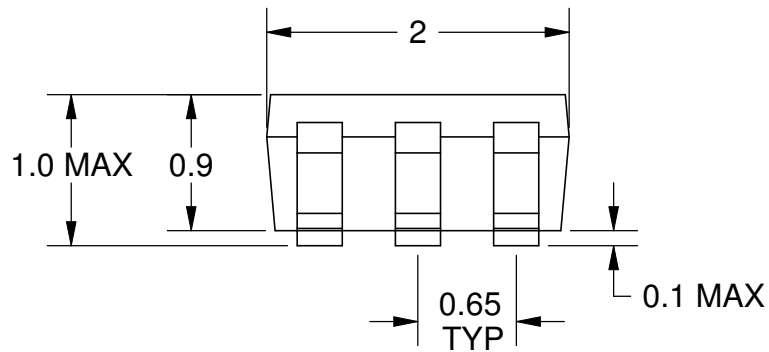
TOP VIEW



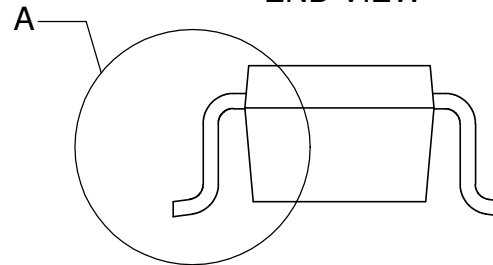
DETAIL A
SCALE 40 : 1



SIDE VIEW



END VIEW

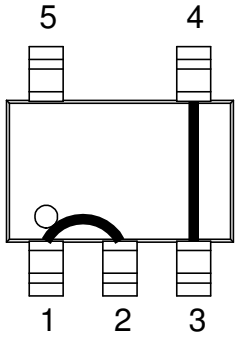


Notes: (Unless Otherwise Specified).

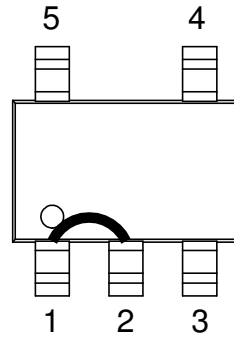
- 1) DIMENSIONS IN mm.
- 2) SEE DAISY CHAIN JUMPER DIAGRAMS (PAGE 2).
- 3) SEE PART NUMBER CONFIGURATION (PAGE 4).
- 4) RECOMMENDED PC BOARD LAYOUT PATTERN (PAGE 7).

TOLERANCE UNLESS NOTED		APPROVALS		DATE		TopLine [®]							
X.X	+/- 0.3	DRAWN J. Hines		12/10/2011						TITLE SOT353 JUMPER DAISY CHAIN			
X.XX	+/- 0.03	ENG				SCALE 20:1		SIZE A					
X.XXX	+/- 0.003	MFG								DO NOT SCALE DRAWING			
ANGLES +/- 0.5°		QA				SHEET 1 OF 8							
ALL DIMENSIONS IN <input type="checkbox"/> INCHES <input checked="" type="checkbox"/> MILLIMETERS		CUST											
THIRD ANGLE PROJECTION		REVISED											

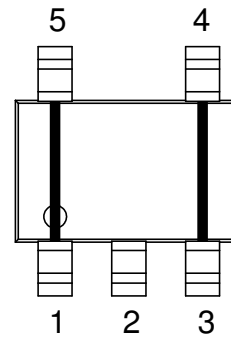
INTERNAL WIRING CIRCUIT (JUMPER)
DAISY CHAIN PART NUMBER SUFFIX
TOP VIEW



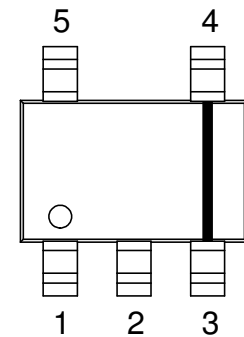
DC19
2-WIRE



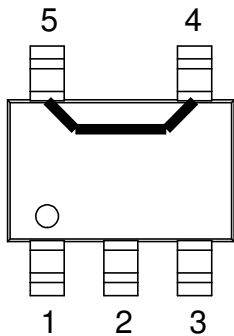
DC21
1-WIRE



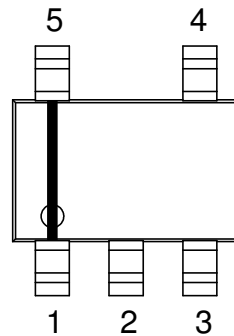
DC25
2-WIRE



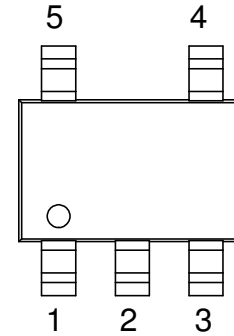
DC34
1-WIRE



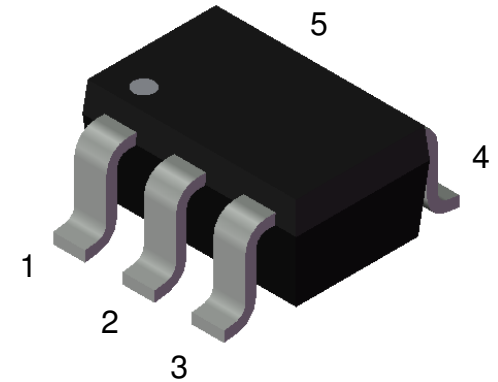
DC45
1-WIRE



DC51
1-WIRE



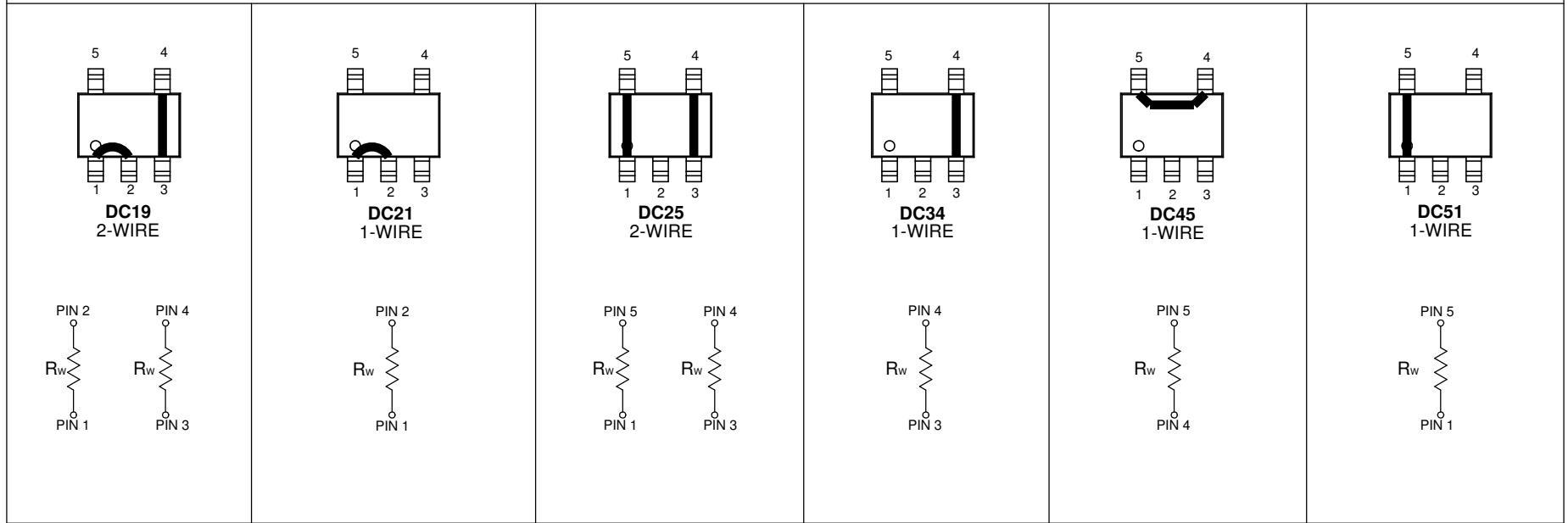
ISO
NO WIRE
FULLY ISOLATED



SOT353 PACKAGE

TopLine ®			
TITLE SOT353 JUMPER DAISY CHAIN			
SCALE 20:1	SIZE A	DRAWING NO. 120353	REV A
DO NOT SCALE DRAWING			SHEET 2 OF 8

SCHEMATIC EQUIVALENT INTERNAL CIRCUIT



R_w = GOLD WIRE-BOND.

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

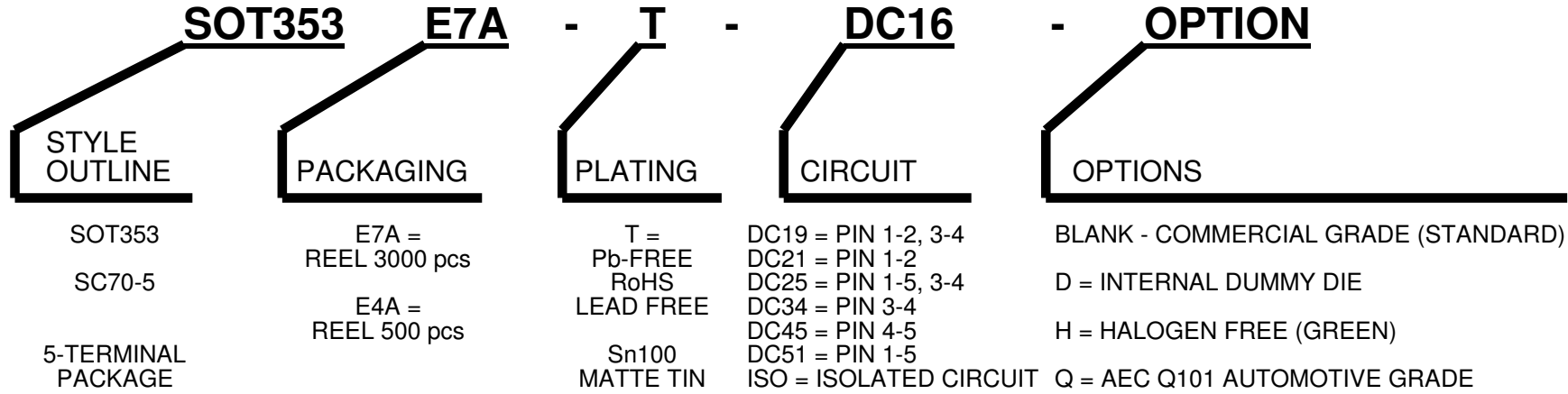
THERMAL RESISTANCE	
JUNCTION TO AMBIENT ($T_a=25^\circ$) $R_{th(j-a)}$	350K/W

ELECTRICAL RESISTANCE MILIOHM (DC) MAX				
CIRCUIT	PIN 1 TO 2	PIN 1 TO 5	PIN 3 TO 4	PIN 4 TO 5
DC19	50 mΩ	--	50 mΩ	--
DC21	50 mΩ	--	--	--
DC25	--	50 mΩ	50 mΩ	--
DC34	--	--	50 mΩ	--
DC45	--	--	--	50 mΩ
DC51	--	50 mΩ	--	--

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

TopLine ®			
TITLE		SOT353 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
8:1	A	120353	A
DO NOT SCALE DRAWING			SHEET 3 OF 8

PART NUMBERING SYSTEM



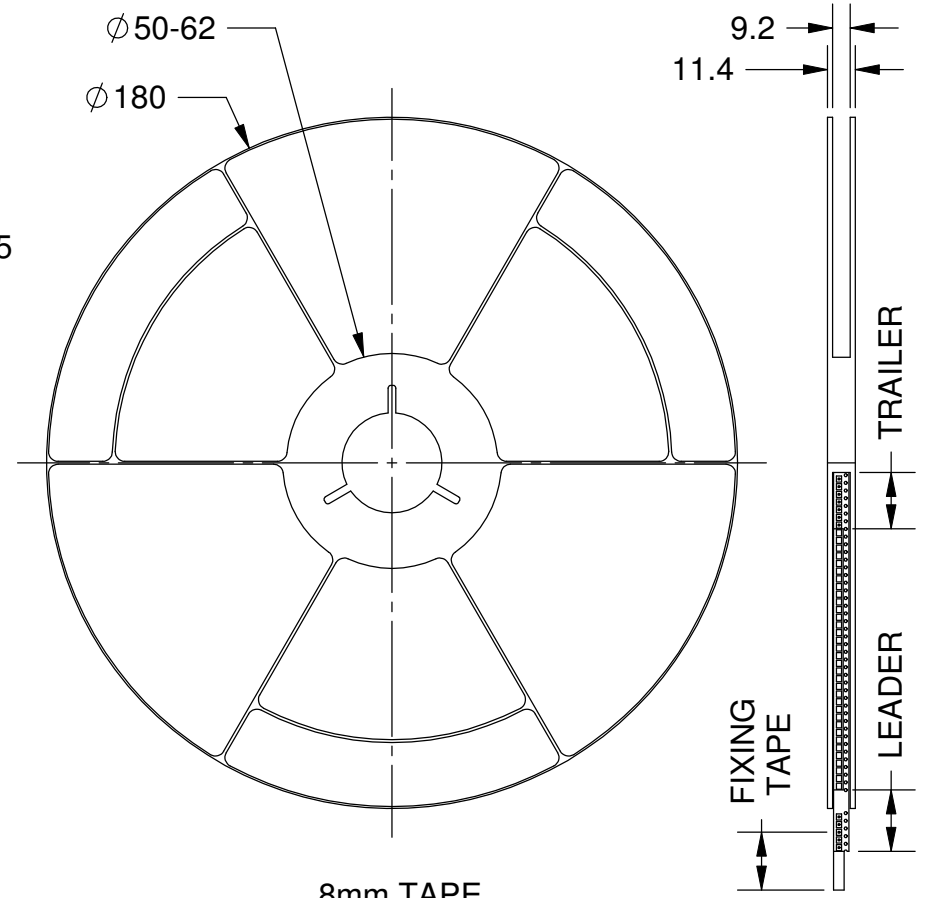
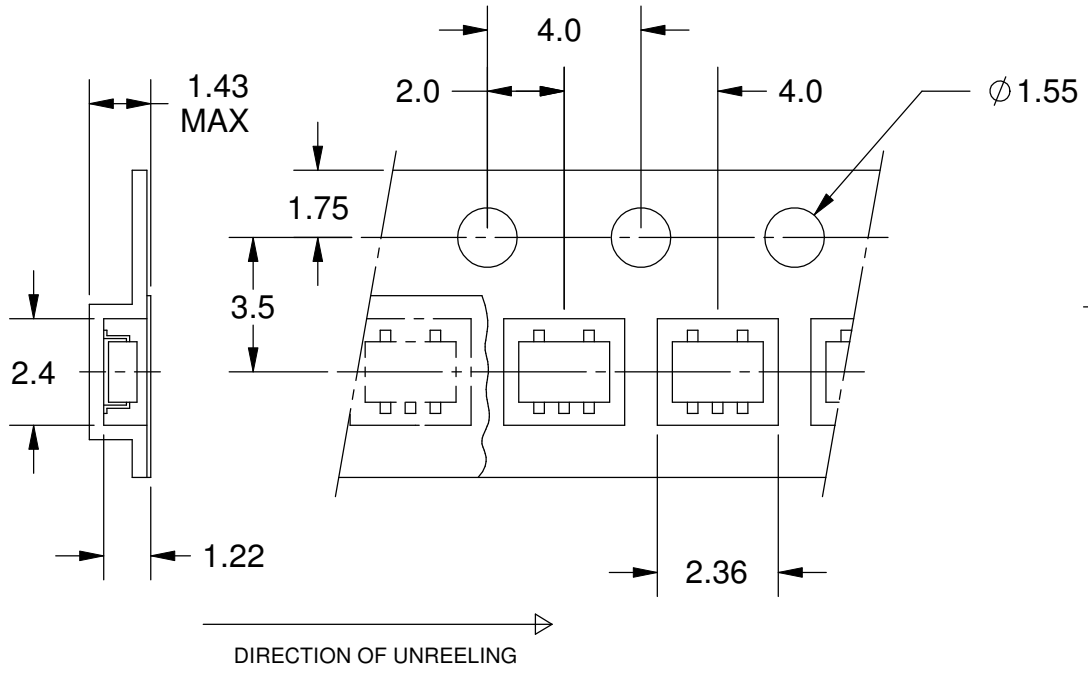
PART NUMBER	SHORTED PINS	NOTES	RoHS Pb-FREE	MSL LEVEL	HALOGEN FREE	GRADE	TOP MARK
SOT353E7A-TIN	N/A	DUMMY	YES	3	NO	COMMERCIAL	N/A
SOT353E7A-T-ISO	NONE	ISOLATED	YES	3	NO	COMMERCIAL	ISO
SOT353E7A-T-DC19	1-2, 3-4	2-WIRES	YES	3	NO	COMMERCIAL	D19
SOT353E7A-T-DC21	1-2	1-WIRE	YES	3	NO	COMMERCIAL	D21
SOT353E7A-T-DC25	1-5, 3-4	2-WIRES	YES	3	NO	COMMERCIAL	D25
SOT353E7A-T-DC34	3-4	1-WIRE	YES	3	NO	COMMERCIAL	D34
SOT353E7A-T-DC45	4-5	1-WIRE	YES	3	NO	COMMERCIAL	D45
SOT353E7A-T-DC51	1-5	1-WIRE	YES	3	NO	COMMERCIAL	D51
SOT353E7A-T-DC21H	1-2	1-WIRE	YES	1	YES	COMMERCIAL	21H
SOT353E7A-T-DC21Q	1-2	1-WIRE	YES	1	NO	AEC-Q101	21Q
SOT353E7A-T-DC34H	3-4	1-WIRE	YES	1	YES	COMMERCIAL	34H
SOT353E7A-T-DC34Q	3-4	1-WIRE	YES	1	NO	AEC-Q101	34Q
SOT353E7A-T-DC45H	4-5	1-WIRE	YES	1	YES	COMMERCIAL	45H
SOT353E7A-T-DC45Q	4-5	1-WIRE	YES	1	NO	AEC-Q101	45Q
SOT353E7A-T-DC51H	1-5	1-WIRE	YES	1	YES	COMMERCIAL	51H
SOT353E7A-T-DC51Q	1-5	1-WIRE	YES	1	NO	AEC-Q101	51Q

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

TopLine ®			
TITLE		SOT353 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
25:1	A	120353	A
DO NOT SCALE DRAWING			SHEET 4 OF 8

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

PACKAGE REEL



8mm TAPE
SIZE OF REEL
180mm (7")
3,000 PCS


ALL DIMENSIONS IN mm

TopLine ®			
TITLE SOT353 JUMPER DAISY CHAIN			
SCALE 1:1	SIZE A	DRAWING NO. 120353	REV A
DO NOT SCALE DRAWING			SHEET 5 OF 8

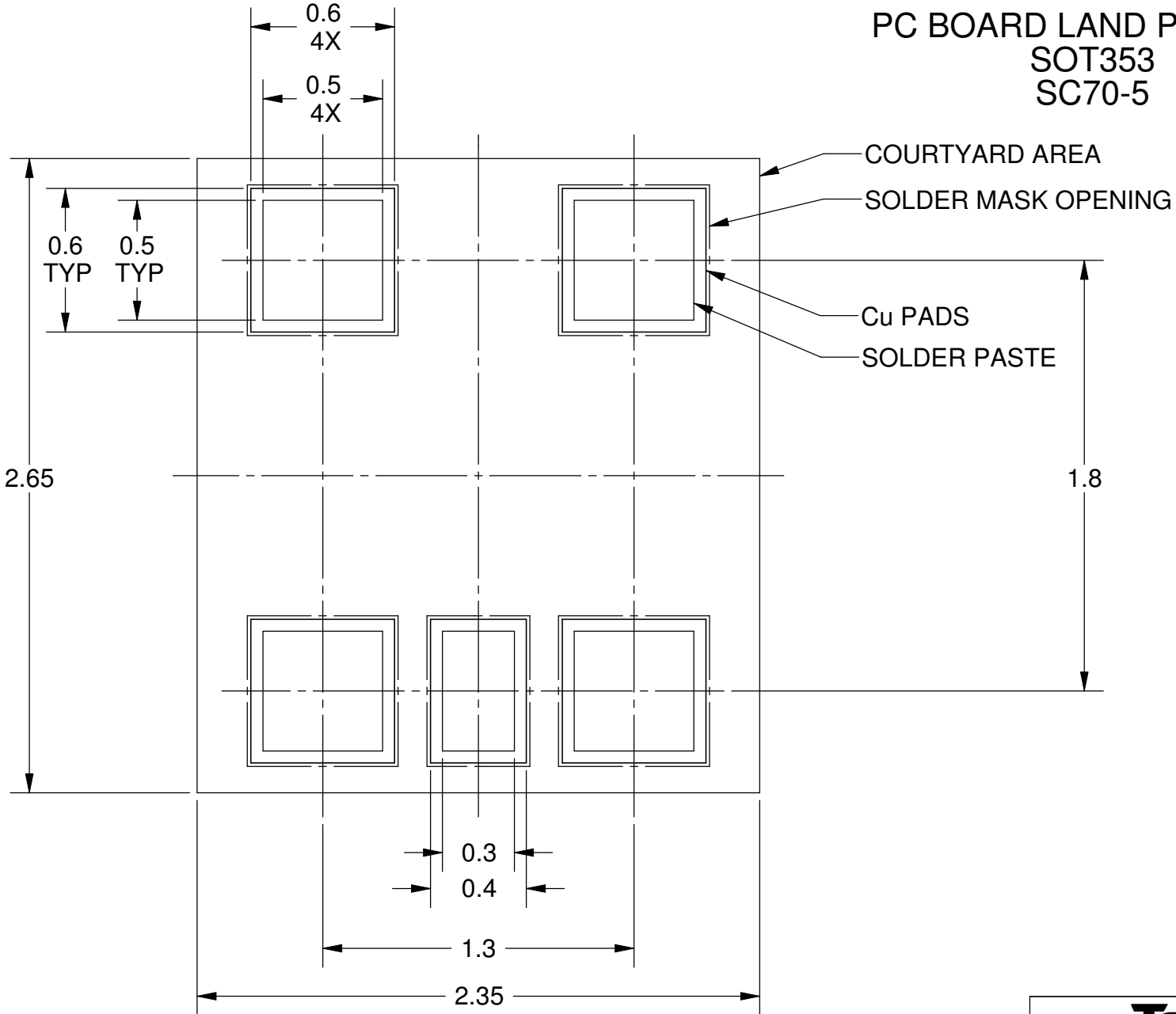
MATERIALS CONTENT DECLARATION FORM

SOT353 (SC70-5) PACKAGE

SOT353 (SC70-5) PACKAGE Pb-FREE RoHS					
1 PC WT: 5.49 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		SOT353 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
1:1	A	120353	A
DO NOT SCALE DRAWING			SHEET 6 OF 8

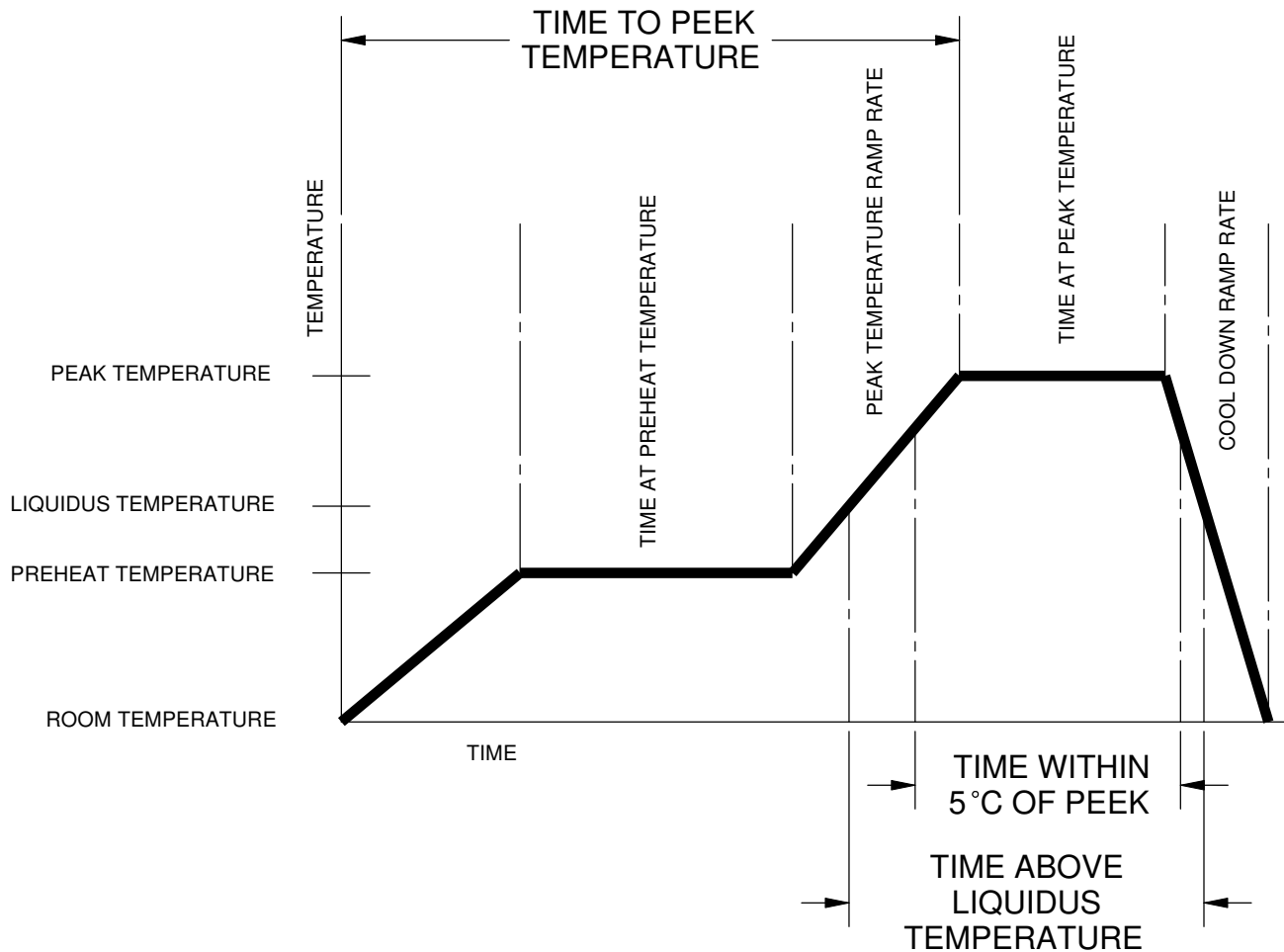
PC BOARD LAND PATTERN
 SOT353
 SC70-5



Notes: (Unless Otherwise Specified).
 1) DIMENSIONS IN mm.
 2) PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE.
 DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.

TopLine [®]			
TITLE		SOT353 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
40:1	A	120353	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		SOT353 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
1:1	A	120353	A
DO NOT SCALE DRAWING			SHEET 8 OF 8