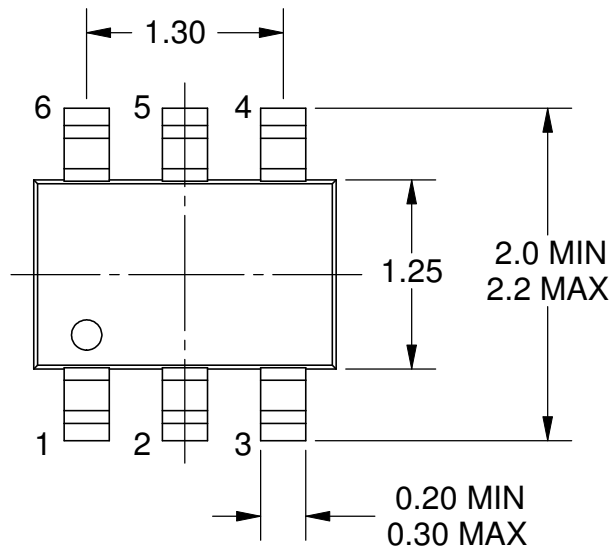
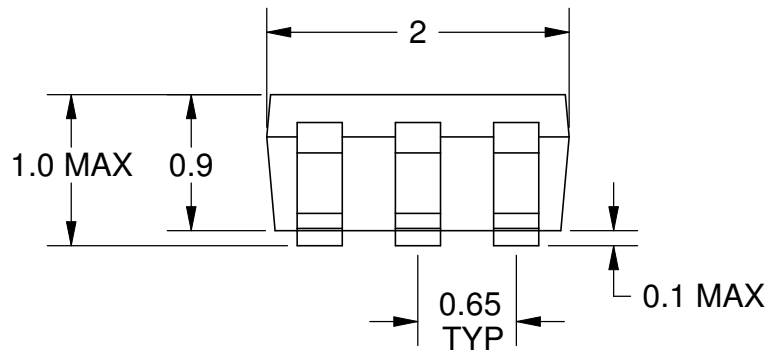


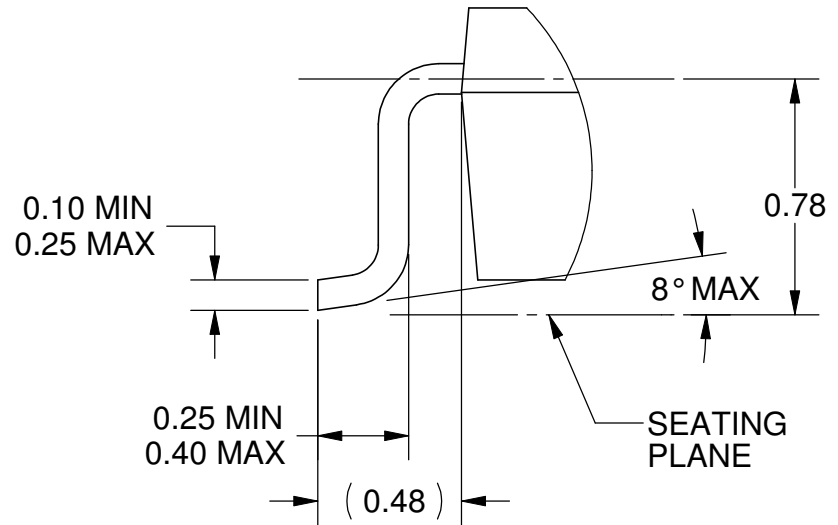
TOP VIEW



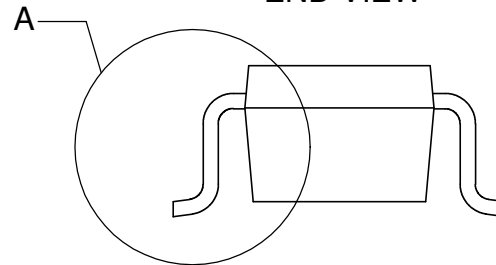
SIDE VIEW



DETAIL A
SCALE 40 : 1


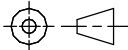


END VIEW

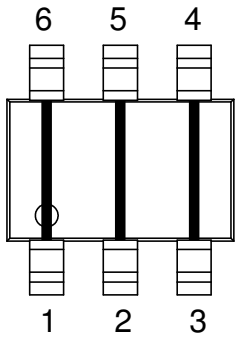


Notes: (Unless Otherwise Specified).

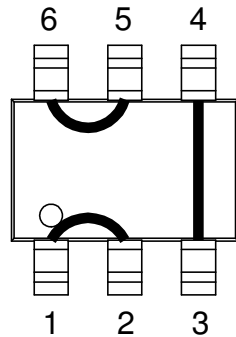
- 1) DIMENSIONS IN mm.
- 2) SEE DAISY CHAIN JUMPER DIAGRAMS (PAGE 2).
- 3) SEE PART NUMBER CONFIGURATION (PAGE 4).
- 4) RECOMMENDED PC BOARD LAYOUT PATTERN (PAGE 7).

TOLERANCE UNLESS NOTED		APPROVALS	DATE				
X.X	+/- 0.3	DRAWN J. Hines	12/18/2011				
X.XX	+/- 0.03						
X.XXX	+/- 0.003						
ANGLES +/- 0.5°		ENG		SCALE 20:1 SIZE A DRAWING NO. 120363 REV A			
ALL DIMENSIONS IN		MFG					
<input type="checkbox"/> INCHES <input checked="" type="checkbox"/> MILLIMETERS		QA		DO NOT SCALE DRAWING SHEET 1 OF 8			
THIRD ANGLE PROJECTION		CUST					
		REVISED					

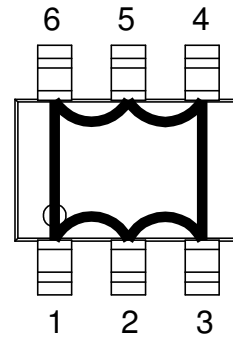
INTERNAL WIRING CIRCUIT (JUMPER) DAISY CHAIN PART NUMBER SUFFIX TOP VIEW



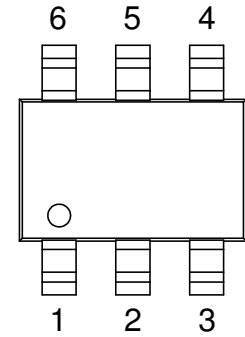
DC16
3-WIRE



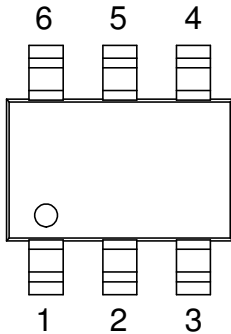
DC17
3-WIRE



BUS
6-WIRE

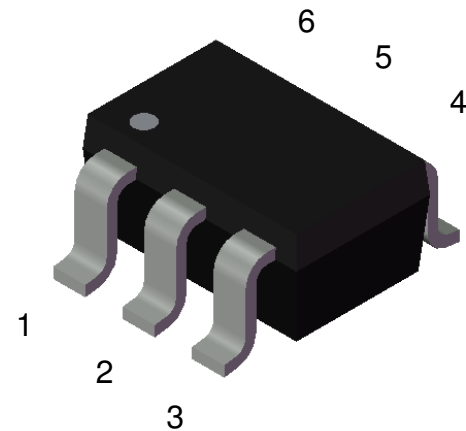


ISO
NO WIRE
FULLY ISOLATED



APPLICATION SPECIFIC PIN OUT.
PER CUSTOMER REQUIREMENT.

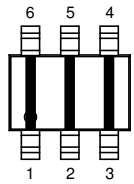
APPLICATION SPECIFIC	
PIN FROM	PIN TO



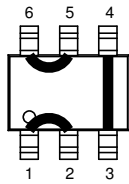
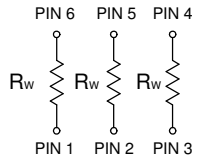
SOT363 PACKAGE

TopLine ®			
TITLE SOT363 JUMPER DAISY CHAIN			
SCALE 20:1	SIZE A	DRAWING NO. 120363	REV A
DO NOT SCALE DRAWING			SHEET 2 OF 8

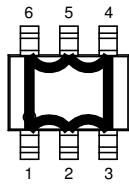
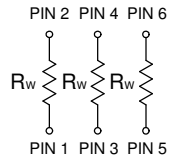
SCHEMATIC EQUIVALENT INTERNAL CIRCUIT



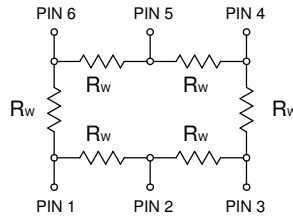
DC16
3-WIRE



DC17
3-WIRE



BUS
6-WIRE



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 3 TO 4	PIN 5 TO 6	PIN 1 TO 6	PIN 2 TO 5	PIN 2 TO 3	PIN 4 TO 5
DC16	--	50 mΩ	--	50 mΩ	50 mΩ	--	--
DC17	50 mΩ	50 mΩ	50 mΩ	--	--	--	--
BUS	50 mΩ	50 mΩ	50 mΩ	50 mΩ	150 mΩ	50 mΩ	50 mΩ

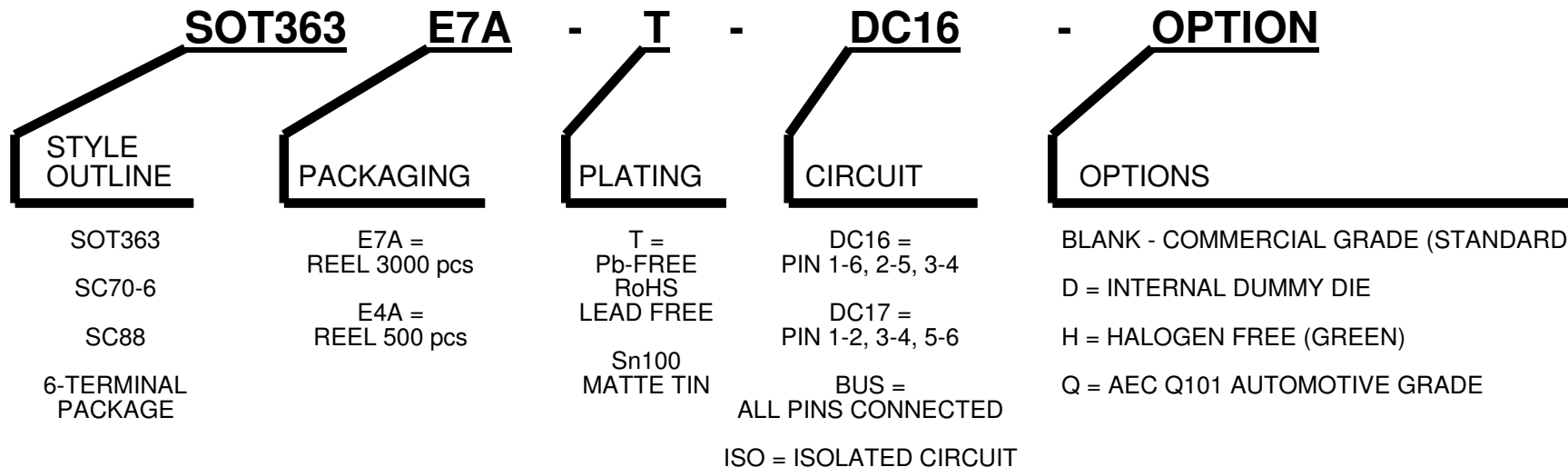
MAXIMUM ELECTRICAL (DC) RATING

WORKING VOLTAGE	100V
CURRENT RATING	150mA
POWER @ 25 °C	200mW

TopLine®

TITLE				SOT363 JUMPER DAISY CHAIN			
SCALE	SIZE	DRAWING NO.		REV			
8:1	A	120363		A			
DO NOT SCALE DRAWING						SHEET 3 OF 8	

PART NUMBERING SYSTEM



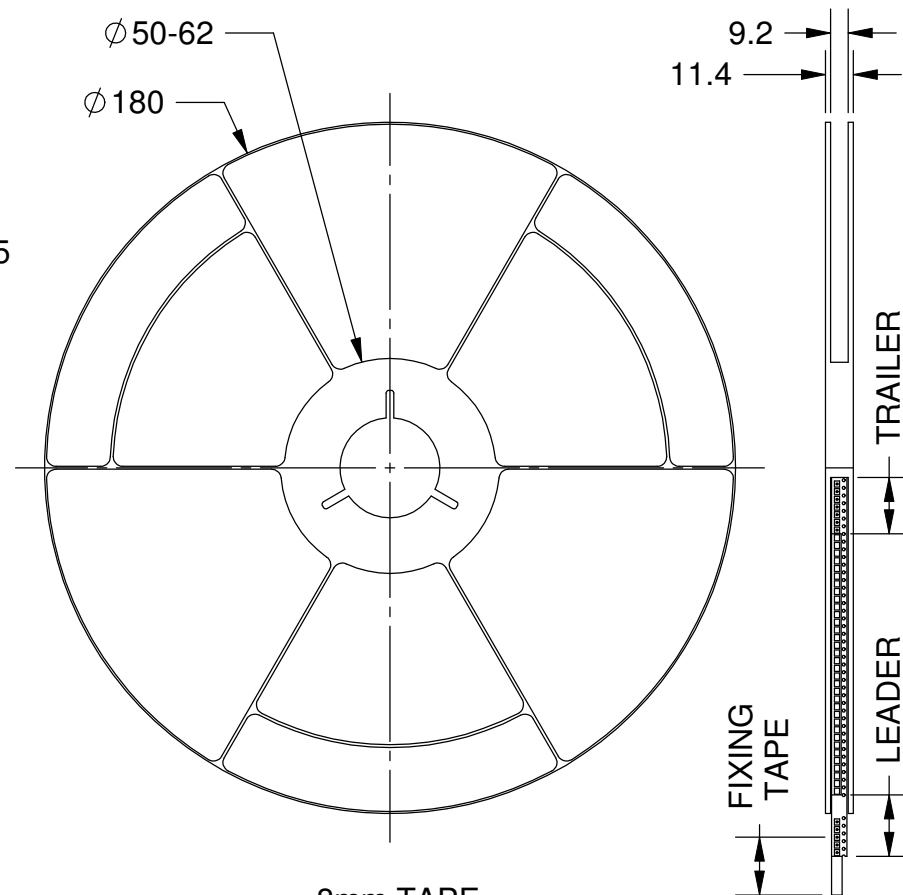
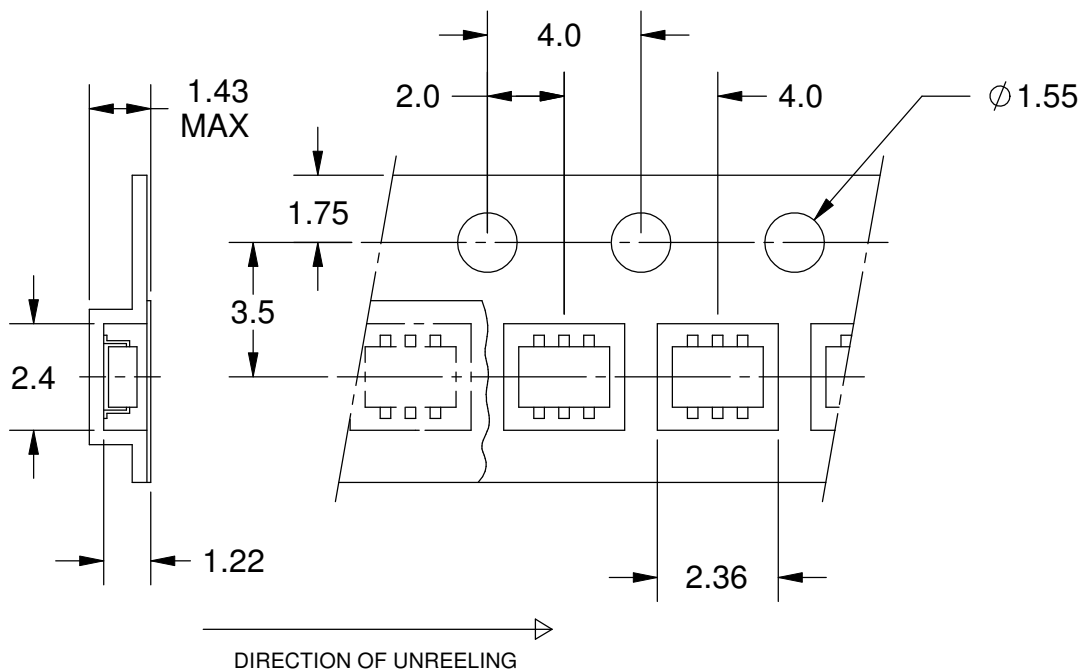
PART NUMBER	SHORTED PINS	NOTES	RoHS Pb-FREE	MSL LEVEL	HALOGEN FREE	GRADE	TOP MARK
SOT363E7A-TIN	N/A	DUMMY	YES	3	NO	COMMERCIAL	N/A
SOT363E7A-T-ISO	NONE	FULLY ISOLATED	YES	3	NO	COMMERCIAL	ISO
SOT363E7A-T-DC16D	1-6, 2-5, 3-4	3-WIRE	YES	3	NO	COMMERCIAL	D16
SOT363E7A-T-DC17D	1-2, 3-4, 5-6	3-WIRE	YES	3	NO	COMMERCIAL	D17
SOT363E7A-T-BUS	ALL	6-WIRES	YES	3	NO	COMMERCIAL	BUS
SOT363E7A-T-DC16H	1-6, 2-5, 3-4	3-WIRE	YES	1	YES	COMMERCIAL	16H
SOT363E7A-T-DC16Q	1-6, 2-5, 3-4	3-WIRE	YES	1	NO	AEC-Q101	16Q
SOT363E7A-T-DC17H	1-2, 3-4, 5-6	3-WIRE	YES	1	YES	COMMERCIAL	17H
SOT363E7A-T-DC17Q	1-2, 3-4, 5-6	3-WIRE	YES	1	NO	AEC-Q101	17Q
SOT363E7A-T-BUS-H	ALL	6-WIRES	YES	1	YES	COMMERCIAL	6H
SOT363E7A-T-BUS-Q	ALL	6-WIRES	YES	1	NO	AEC-Q101	6Q

NOTES: ADD "D" TO END OF PART NUMBER FOR DUMMY SILICON DIE.
N/A = NOT DEFINED

TopLine ®			
TITLE		SOT363 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
25:1	A	120363	A
DO NOT SCALE DRAWING			SHEET 4 OF 8

TAPE SPECIFICATION FOR SOT363 (SC70-6)
SURFACE MOUNT DEVICE

PACKAGE REEL



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

ALL DIMENSIONS IN mm

TopLine [®]			
TITLE SOT363 JUMPER DAISY CHAIN			
SCALE 1:1	SIZE A	DRAWING NO. 120363	REV A
DO NOT SCALE DRAWING			SHEET 5 OF 8

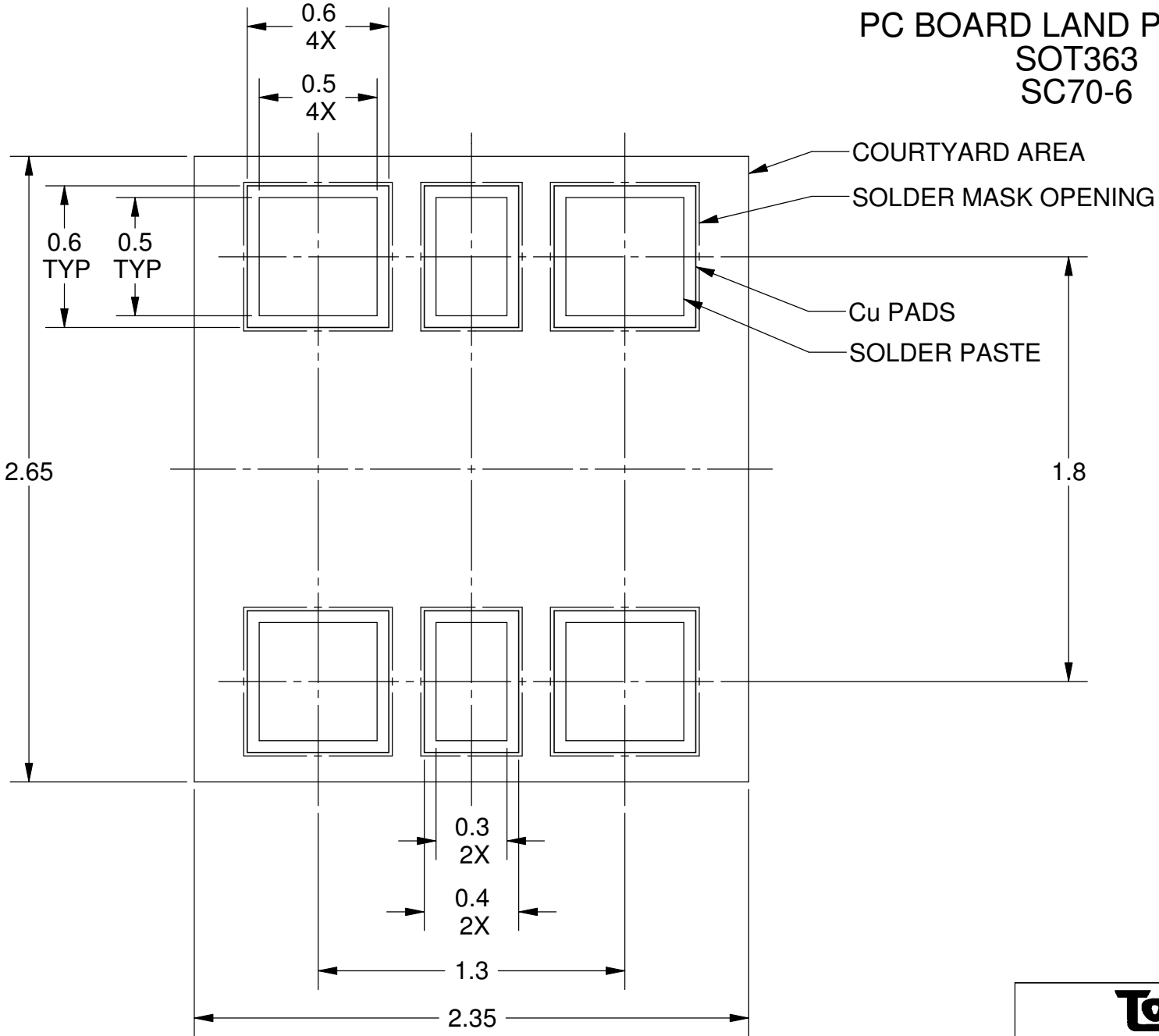
MATERIALS CONTENT DECLARATION FORM

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

TopLine[®]			
TITLE		SOT363 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
1:1	A	120363	A
DO NOT SCALE DRAWING			SHEET 6 OF 8

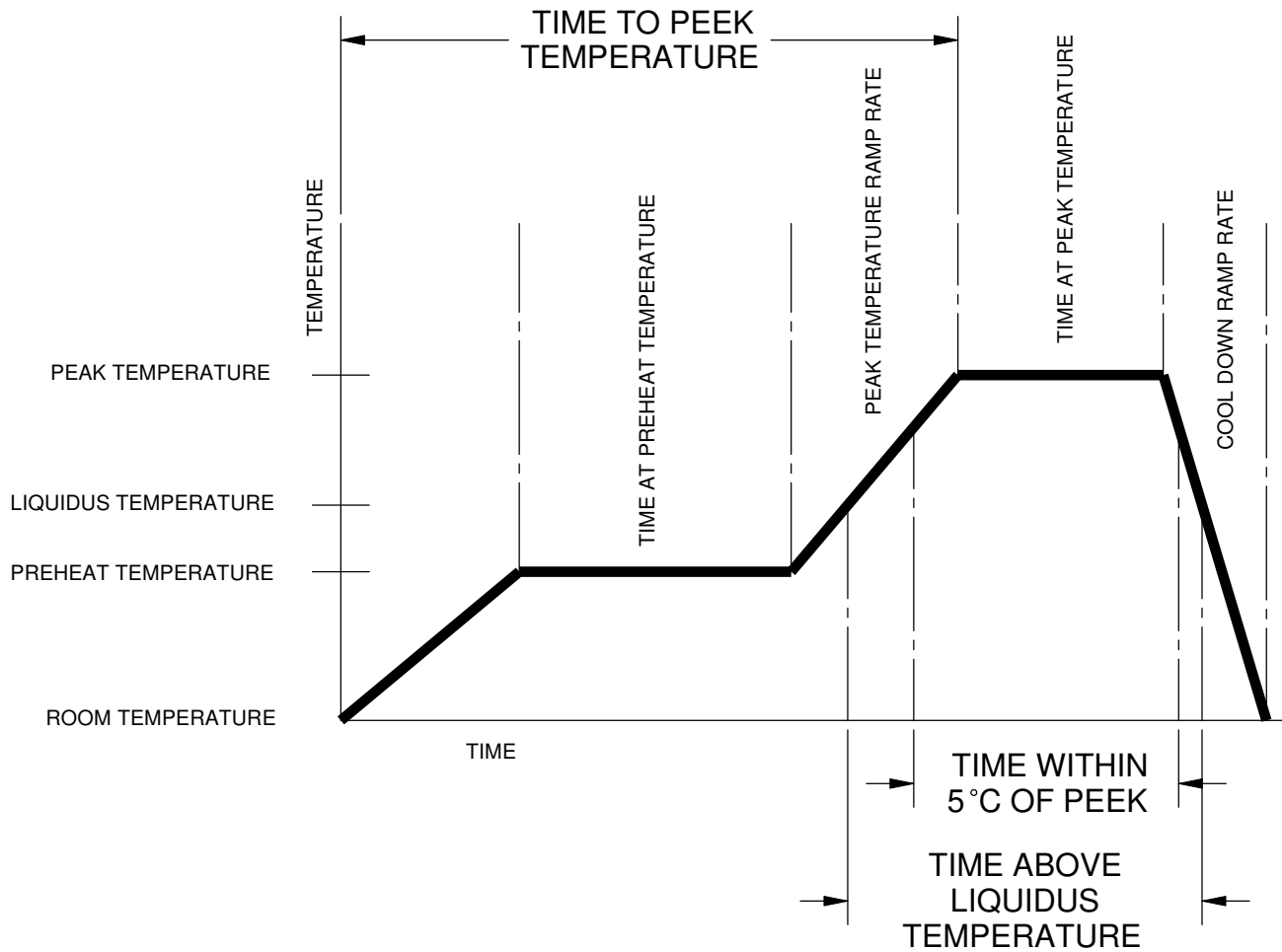
PC BOARD LAND PATTERN
 SOT363
 SC70-6



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 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
40:1	A	120363	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 JUMPER DAISY CHAIN	
SCALE	SIZE	DRAWING NO.	REV
1:1	A	120363	A
DO NOT SCALE DRAWING			SHEET 8 OF 8