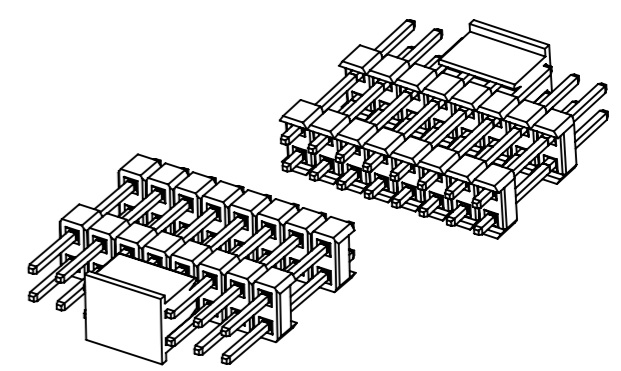
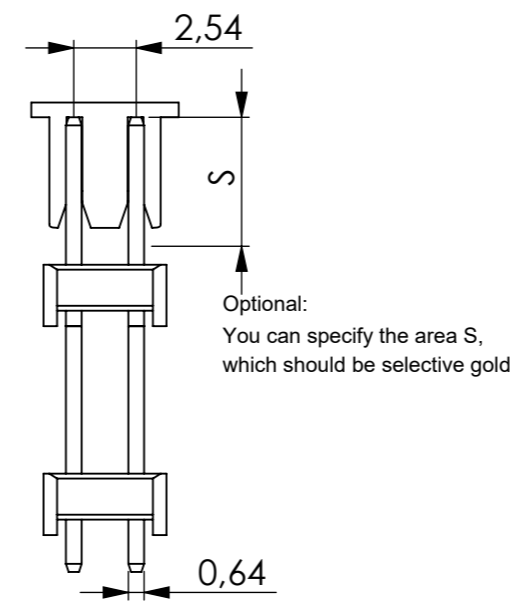
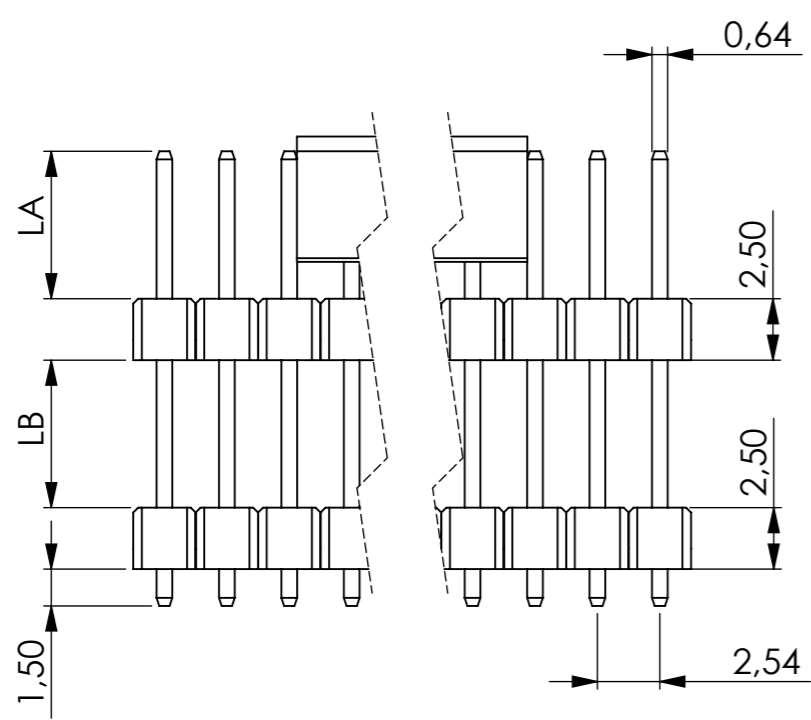
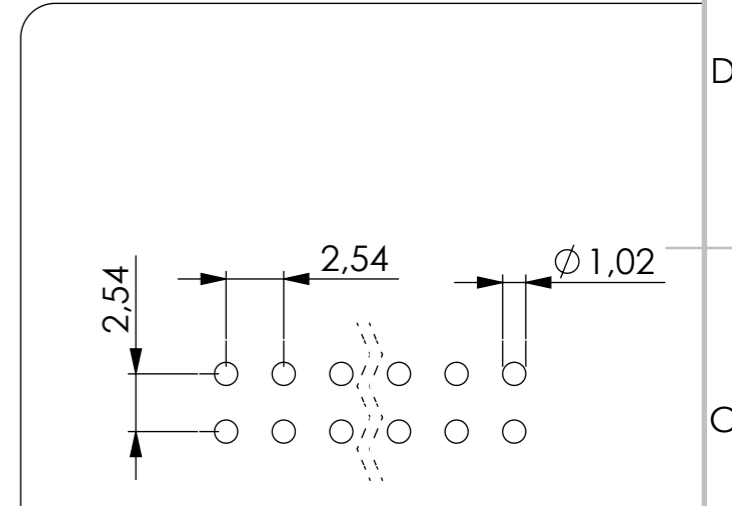
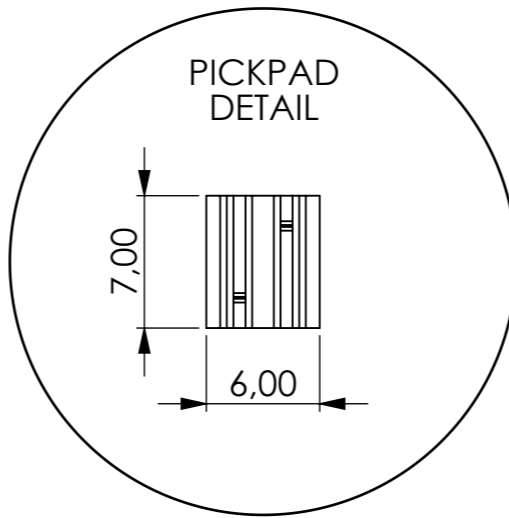
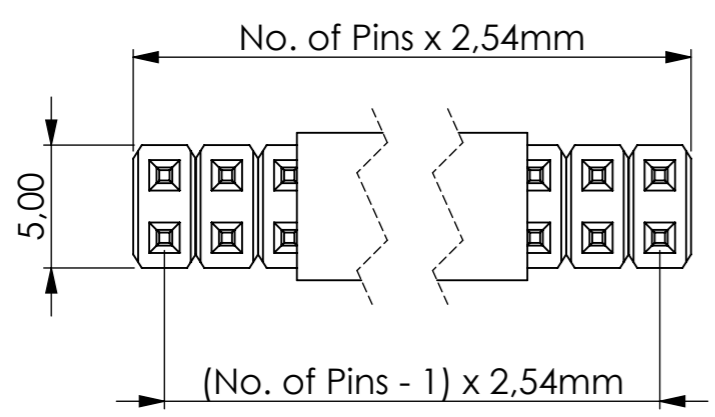


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VIEW 3D EXAMPLE



RECOMMENDED PC BOARD LAYOUT

Specifications

Electrical:
 Current Rating: 3.0A AC(rms) /DC
 Voltage Rating: 250V AC(rms) /DC
 Contact Resistance: 10 mΩ Max
 Insulation Resistance: 1000 MΩ Min
 Withstanding Voltage: 600V AC r.m.s
 Temperature Range-Operating: -40°C~+105°C

Material:
 Housing: High temperature thermoplastic, UL94V-0
 Pin: copper alloy

						Order Code: FPH254-18-D-XX-B-3-XX-X-XX-AXX-BXX	
						Description: Through hole- PIN HEADER Double-decker Board-to-Board, 2.54 pitch Double Row 180° Angle	
00	Created Part	28.Aug.25	D.P.	28.Aug.25	S.R.		
Rev:	Description of change	Date Created:	Name:	Date checked:	Name:	General Tolerances: X.±0.30 X.°±5° X.X±0.2 .X°±2° X.XX±0.15 .XX°±1° X.XXX±0.10 .XXX°±0.5°	Partnumber: 29-xxx
RoHS compliant REACH compliant							
Material: Copperalloy/Housing: High temperature thermoplastic						 info@samytronic.de www.samytronic.de	
Surface: Gold or Tin						MS-Level: 1	Samytronic GmbH Flensburger Str. 26 33605 Bielefeld Germany
Weight: 1.82	g	Area: 2129.92	mm²	Sheet size: A3	Unit: mm	Scale: 3:1	Projection
						Sheet: 1 OF 4	

ORDERING INFORMATION

FPH254 - 18 - X - XX - B - X - XX - X - XX - AXX - BXX

-FPH254: PIN HEADER 2.54 PITCH

-18: 180° Angle

-S: SINGLE ROW
-D: DOUBLE ROW

CONTACTS:
-02 up to **-20**

-B: BLACK
-N: NATURAL

-3: THROUGH HOLE
-5: SURFACE MOUNT

PLATING SPEC:
-01: 1μ" (0.025μm) GOLD
-03: 3μ" (0.076μm) Selective GOLD
-10: 10μ" (0.25μm) Selective GOLD
-30: 30μ" (0.76μm) Selective GOLD
-T: 120μ" (5μm) MATTE TIN

LENGTH OF CONTACT PIN LB:

-B50: 5.0mm **-B90:** 9.0mm
-B60: 6.0mm **-B100:** 10.0mm
-B70: 7.0mm **-B110:** 11.0mm
-B80: 8.0mm **-B120:** 12.0mm

LENGTH OF CONTACT PIN LA:






-A50: 5.0mm
-A60: 6.0mm
-A70: 7.0mm
-A80: 8.0mm

Optional: You can specify the area on the contact pin S, which should be selective gold

OPTION:

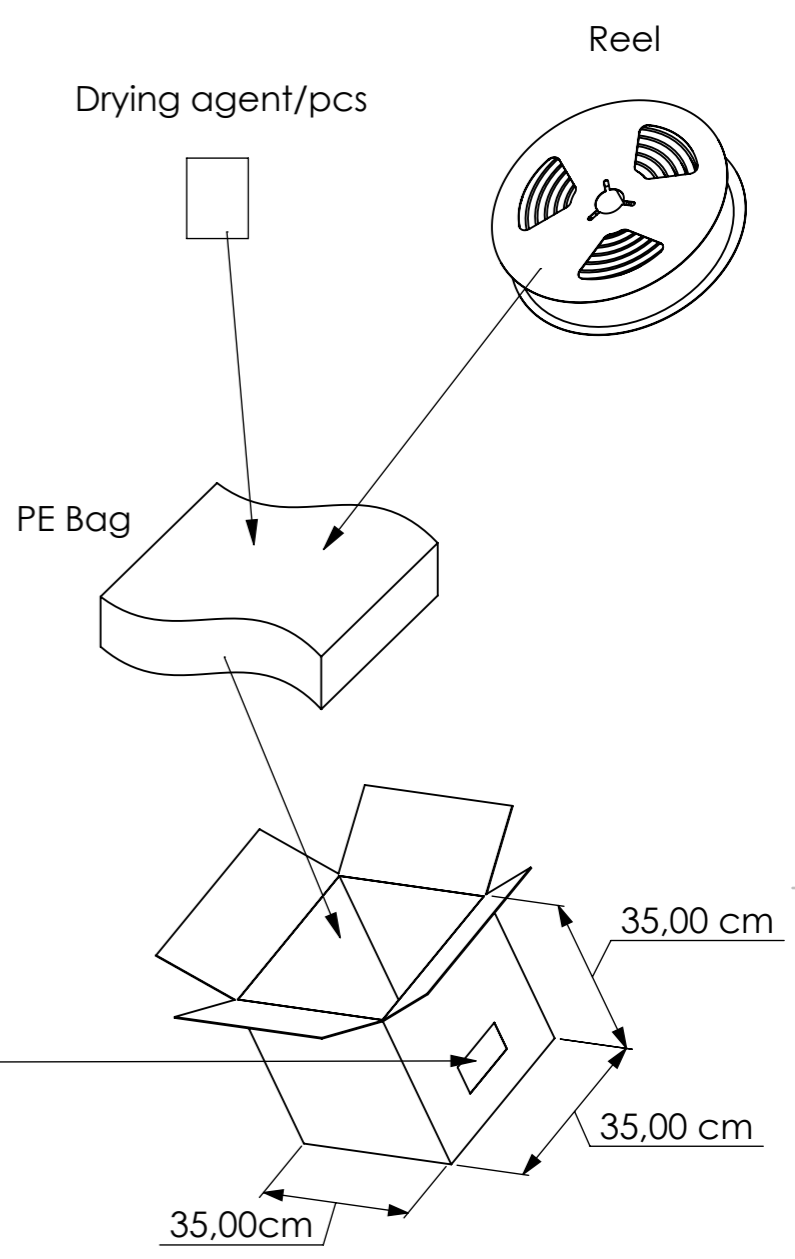
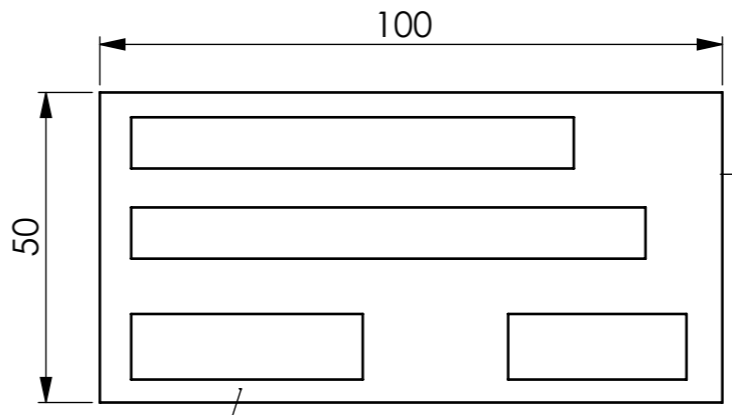
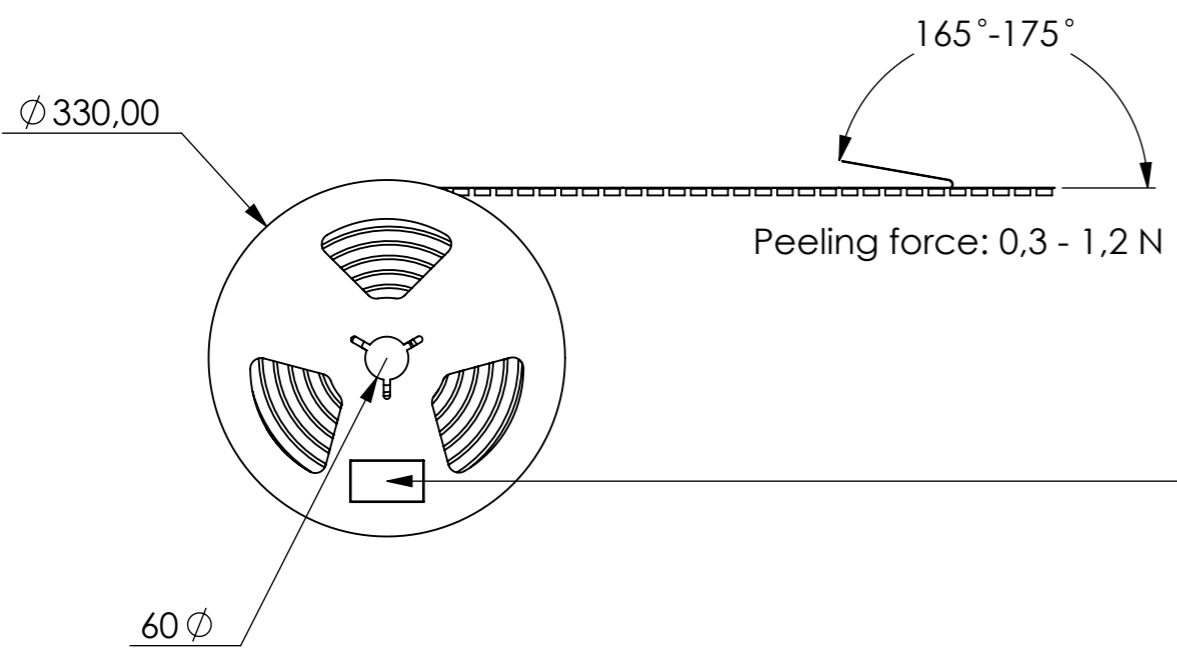
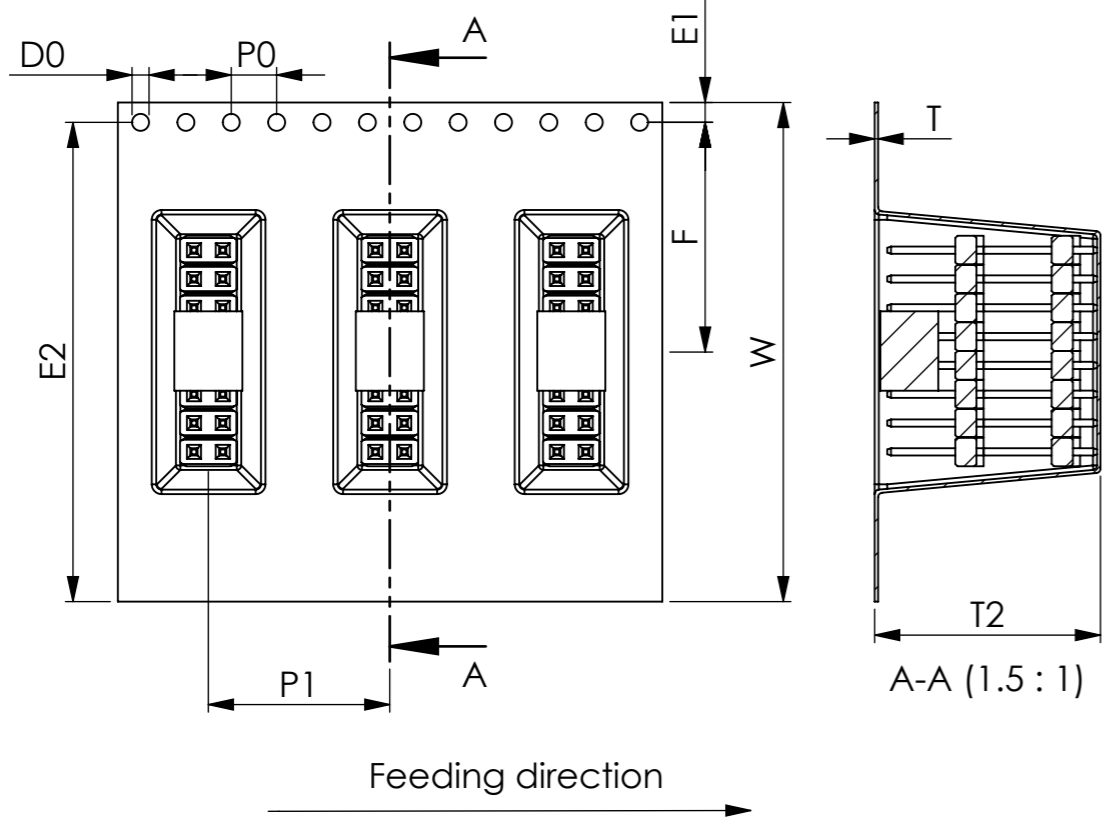
-PB: PE BAG
-L: TUBE
-LP: TUBE + PICK PAD
-M: TAPE & REEL
-MP: TAPE & REEL + PICK PAD

-3: LCP
-7: PA9T

						Order Code:	
						Description:	
00	Created Part	22.Aug.25	D.P.	22.Aug.25	S.R.		
Rev:	Description of change	Date Created:	Name:	Date checked:	Name:	General Tolerances:	Partnumber:
RoHS compliant  REACH compliant 						X.±0.30 X.°±5° X.X±0.2 .X°±2° X.XX±0.15 .XX°±1° X.XXX±0.10 .XXX°±0.5°	
Material:						 info@samytronic.de www.samytronic.de	
Surface:						MS-Level:	1
Weight:	g	Area:	mm²	Sheet size:	A3	Unit:	mm
Scale: 3:1		Projection				Sheet: 2 OF 4	

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	8	7	6	5	4	3	2	1				
	W	T2	P0	P1	D0	E1	F	Tape Name	Packaging unit Single Row	Packaging unit Double Row	Number of Reels per box	Box dimensions
tolerance	+0,3/-0,1	max.	±0,1	±0,1	+0,1/-0,0	±0,1	±0,1		pcs.	pcs.	pcs.	cm
size	16 24 32 44 56 64 72	5+L	4,00	x	1,50	1,75	x x x x x x	Polyster ene				



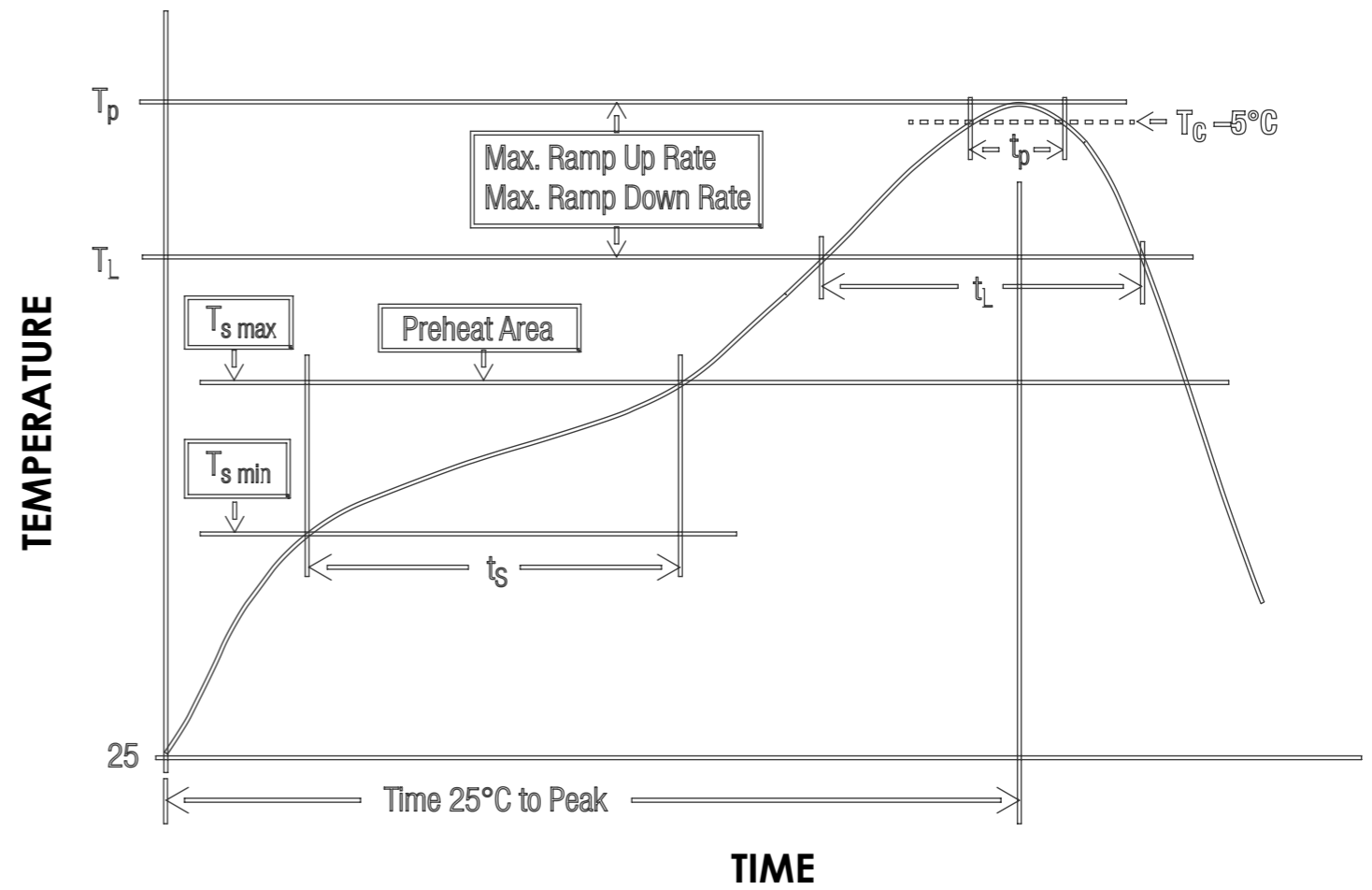
00	Created Part	25.Aug.25	D.P.	25.Aug.25	S.R.	Order Code:	
Rev:	Description of change	Date Created:	Name:	Date checked:	Name:	Description:	
RoHS compliant REACH compliant						General Tolerances: X.±0,30 X.°±5° X.X±0,2 .X.°±2° X.XX±0,15 .XX°±1° X.XXX±0,10 .XXX°±0,5°	Partnumber:
Material:						 info@samytronic.de www.samytronic.de	Samytronic GmbH Flensburger Str. 26 33605 Bielefeld Germany
Surface:		MS-Level:	1	Scale:	3:1	Projection:	
Weight:	g	Area:	mm²	Sheet size:	A3	Unit:	mm
							Sheet: 3 OF 4

CLASSIFICATION REFLOW PROFILE

Classification Reflow Soldering Profile:

Profile Feature	Value
Preheat Temperature Min (T_{smin}) ¹⁾	150 °C
Preheat Temperature Max (T_{smax})	200 °C
Preheat Time (t_s) from (T_{smin} to T_{smax})	60 - 120 seconds
Ramp-up rate (T_L to T_P)	3 °C/ second max.
Liquidous temperature (T_L)	217 °C
Time (t_L) maintained above T_L	60 - 150 seconds
Peak package body temperature (T_P)	$T_P \leq T_C$, see table below
Time (t_p)* within 5 °C of actual peak temperature	20 - 30 seconds
Ramp-down rate (T_P to T_L)	6 °C / second max.
Time 25 °C to peak temperature	8 minutes max.

1) refer to IPC/JEDEC J-STD-020E



Package Classification Reflow Temperature (T_c):

Properties	Volume mm ³ < 350	Volume mm ³ 350 - 2000	Volume mm ³ >2000
PB-Free Assembly Package Thickness < 1.6 mm ¹⁾	260 °C	260 °C	260 °C
PB-Free Assembly Package Thickness 1.6 mm - 2.5 mm	260 °C	250 °C	245 °C
PB-Free Assembly Package Thickness ≥ 2.5 mm	250 °C	245 °C	245 °C

1) refer to IPC/JEDEC J-STD-020E

					Order Code:	
					Description:	
					Classification Profile	
Rev:	Description of change	Date Created:	Name:	Date checked:	Name:	General Tolerances:
						X.±0.30 X.°±5° X.X±0.2 .X°±2° X.XX±0.15 .XX°±1° X.XXX±0.10 .XXX°±0.5°
RoHS compliant REACH compliant					Partnumber:	
Material:					 info@samytronic.de www.samytronic.de	
Surface:					MS-Level: 1	
Weight: g Area: mm ² Sheet size: A3 Unit: mm					Scale: 3:1 Projection	
					Sheet: 4 OF 4	

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