



SOT1165D

plastic, leadless thin small outline package with Side-Wettable Flanks (SWF); 10 terminals; 0.5 mm pitch; 2.5 mm x 1 mm x 0.75 mm body

3 March 2023

Package information

1. Package summary

Terminal position code	B (bottom)
Package type descriptive code	DFN2510D-10
Package type industry code	DFN2510D-10
Package style descriptive code	TSON (thin small outline; no leads)
Package body material type	P (plastic)
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	17-11-2020
Manufacturer package code	SOT1165
Footprint dimensions (mm)	2.8 x 1.75
Footprint area (mm²)	4.9

Table 1. Package summary

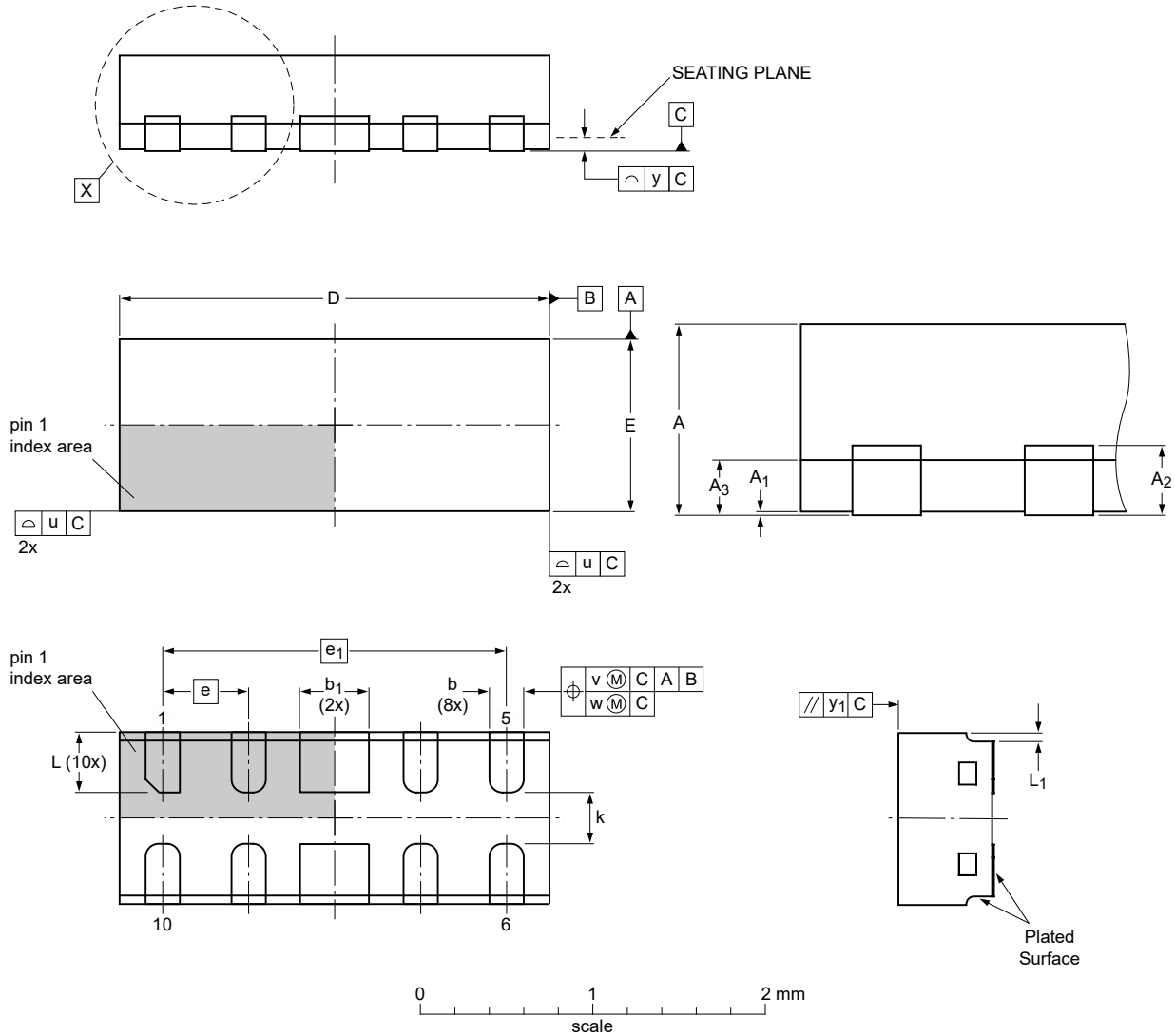
Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	-	-	2.5	-	mm
E	package width	-	-	1	-	mm
A	seated height	0.7	-	0.75	0.8	mm
e	nominal pitch	-	-	0.5	-	mm
e ₁	minimal pitch	-	-	2	-	mm
n ₂	actual quantity of termination	-	-	10	-	

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2. Package outline

DFN2510D-10: plastic, leadless thin small outline package with Side-Wettable Flanks (SWF); 10 terminals; 0.5 mm pitch; 2.5 mm x 1 mm x 0.75 mm body

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Dimensions

Unit ⁽¹⁾	A	A ₁	A ₂	A ₃	b	b ₁	D	E	e	e ₁	k	L	L ₁	u	v	w	y	y ₁
max	0.80	0.05			0.25	0.45						0.40	0.10					
mm nom	0.75		0.2 REF		0.20	0.40	2.5	1.0	0.5	2.0		0.35	0.05	0.1	0.1	0.05	0.05	0.05
min	0.70	0.00		0.1	0.15	0.35					0.2	0.30	--					

sot1165d_po

Outline version	References			European projection	Issue date
	IEC	JEDEC	JEITA		
SOT1165D		---			20-11-17

Fig. 1. Package outline DFN2510D-10 (SOT1165D)

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3. Soldering

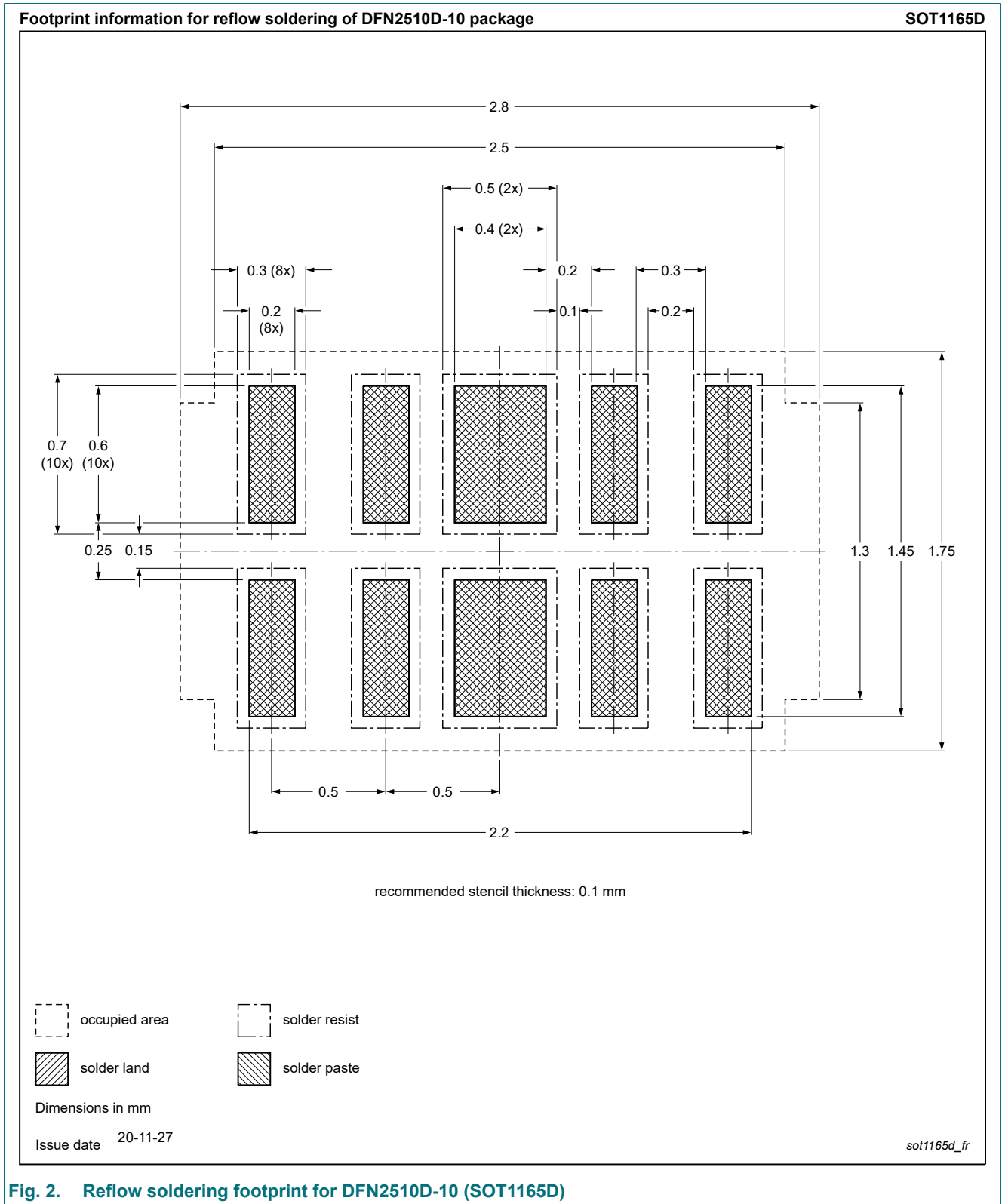


Fig. 2. Reflow soldering footprint for DFN2510D-10 (SOT1165D)

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