



SOT8005

Plastic, surface mounted copper clip package inverted (CCPAK1212i); 13 terminals; 2.0 mm pitch, 12 mm x 9.4 mm x 2.5 mm body

13 May 2025

Package information

1. Package summary

Terminal position code	B (bottom)
Package type descriptive code	CCPAK1212i
Package type industry code	CCPAK1212i
Package style descriptive code	TSSOP (thin shrink small outline package)
Package body material type	P (plastic)
JEDEC package outline code	MO-359
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	6-5-2025
Manufacturer package code	SOT8005
Footprint dimensions (mm)	12.5 x 13.5
Footprint area (mm ²)	168.75
Package dimensions including leads (l x w) (mm)	12 x 12
Package area (mm ²)	144

Table 1. Package summary

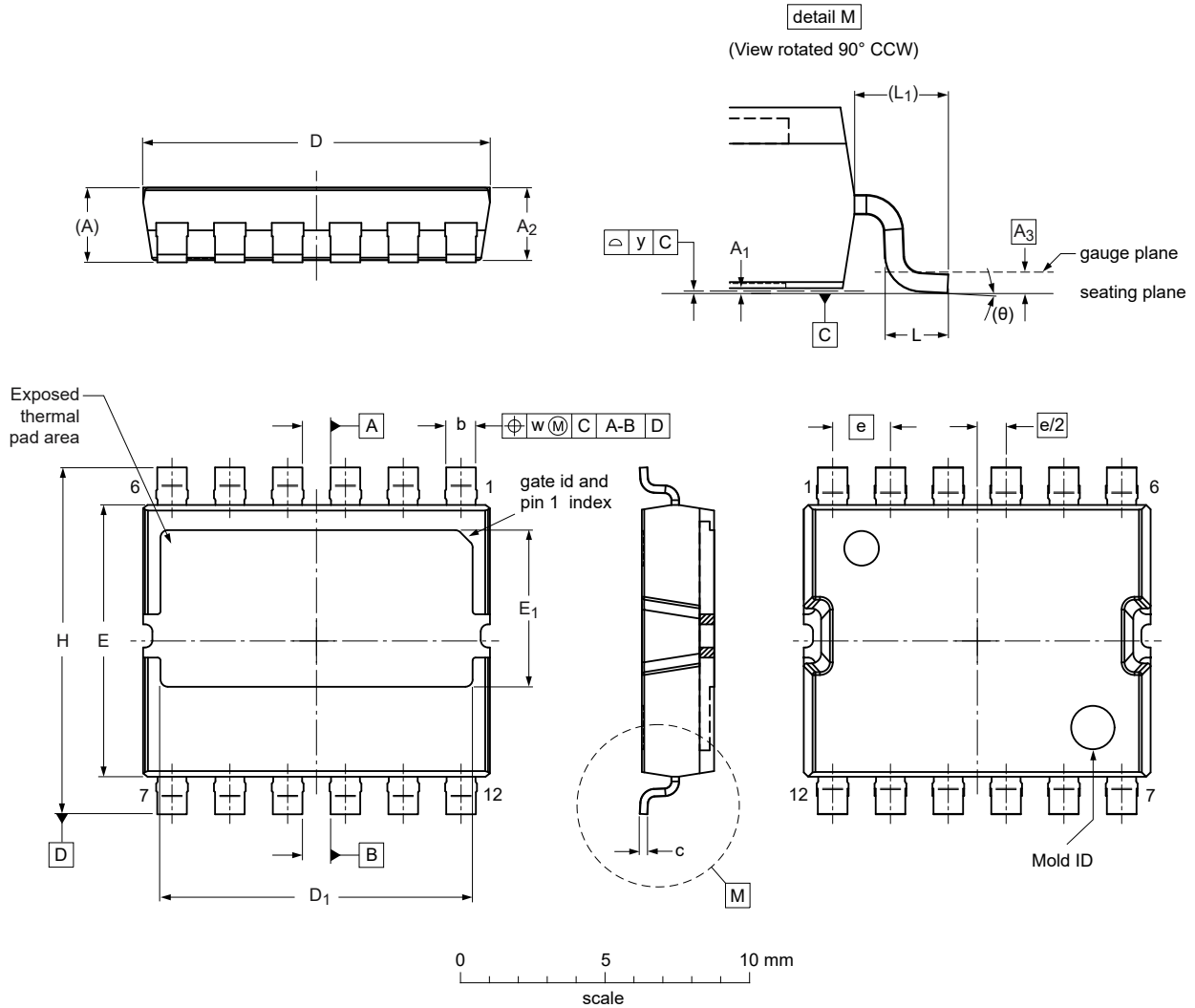
Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	11.85	-	-	12.15	mm
E	package width	9.25	-	-	9.55	mm
A	seated height	-	-	2.63	-	mm
A ₂	package height	2.475	-	-	2.525	mm
e	nominal pitch	-	-	2	-	mm
n ₂	actual quantity of termination	-	-	13	-	

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2. Package outline

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Dimensions (mm are the original dimensions)

Unit	A _(ref)	A ₁	A ₂	A ₃	b	c	D ⁽¹⁾	D ₁	E ⁽²⁾	E ₁	e	H	L	L _{1(ref)}	w	y	θ _(ref)	
max		0.13	2.525		1.12	0.30	12.15	10.95	9.55	5.55		12.15	1					
nom	2.63			0.25							2.0			1.3	0.2	0.1	4°	
min		0	2.475		0.93	0.22	11.85	10.65	9.25	5.25		11.85	0.6					

Note

1. Plastic or metal protrusions of 0.15 mm maximum per side are not included for dimension D.
2. Plastic or metal protrusions of 0.25 mm maximum per side are not included for dimension E.

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Outline version	References				European projection	Issue date
	IEC	JEDEC	JEITA			
SOT8005		MO-359				25-04-14 25-05-06

Fig. 1. Package outline CCPAK1212i (SOT8005)

3. Soldering

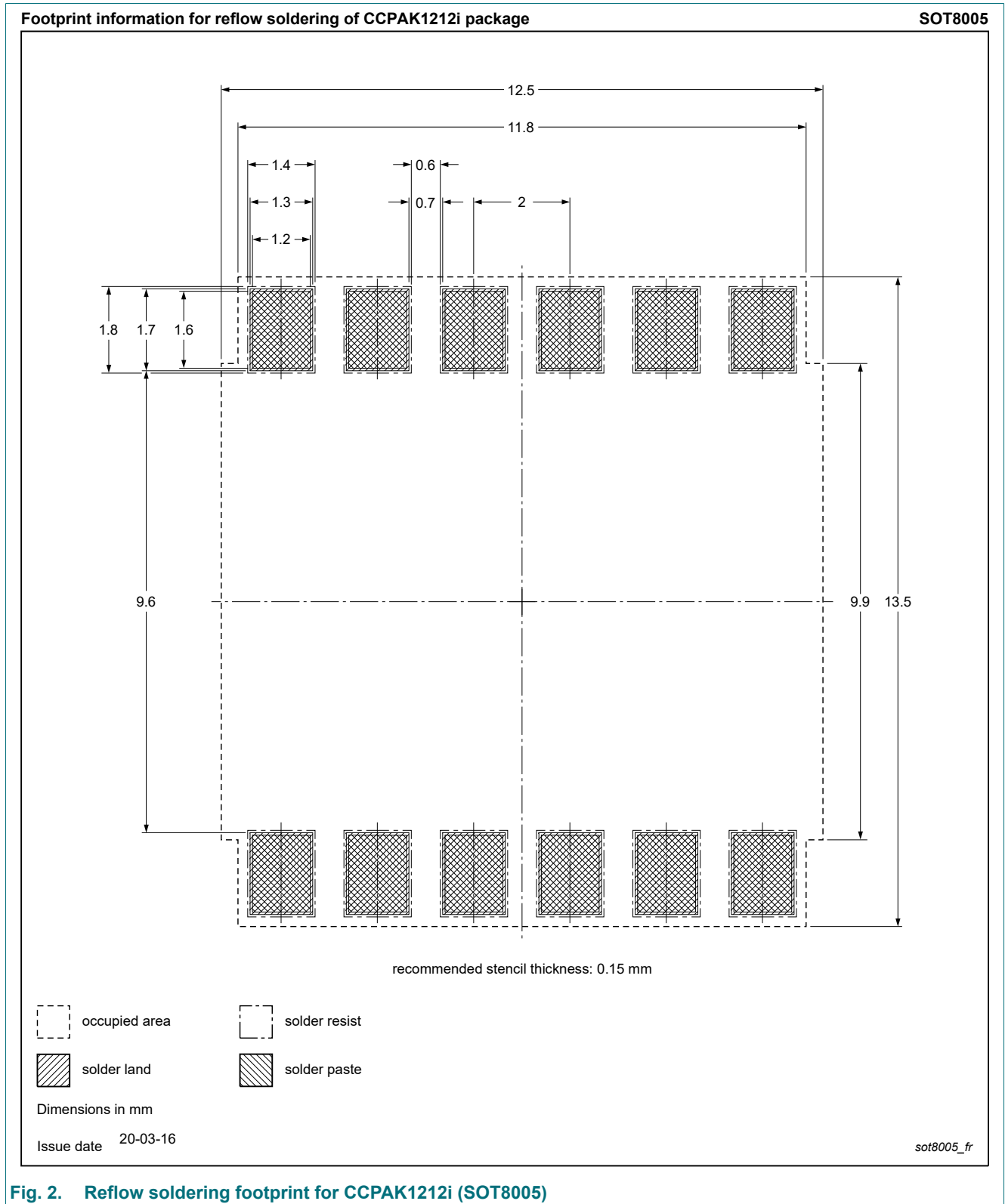


Fig. 2. Reflow soldering footprint for CCPAK1212i (SOT8005)

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For sales office addresses, please send an email to: salesaddresses@nexperia.com
Date of release: 13 May 2025
