



SOT1174-1

plastic, leadless extremely thin quad flat package; 12 terminals; 0.4 mm pitch; 2 mm x 1.7 mm x 0.5 mm body

7 June 2022

Package information

1. Package summary

Terminal position code	B (bottom)
Package type descriptive code	XQFN12
Package type industry code	XQFN12
Package style descriptive code	XQFN (extremely thin quad flatpack; no leads)
Package body material type	P (plastic)
JEDEC package outline code	MO-288
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	21-4-2010
Manufacturer package code	SOT174
Footprint dimensions (mm)	2.55 x 2.25
Footprint area (mm²)	5.74

Table 1. Package summary

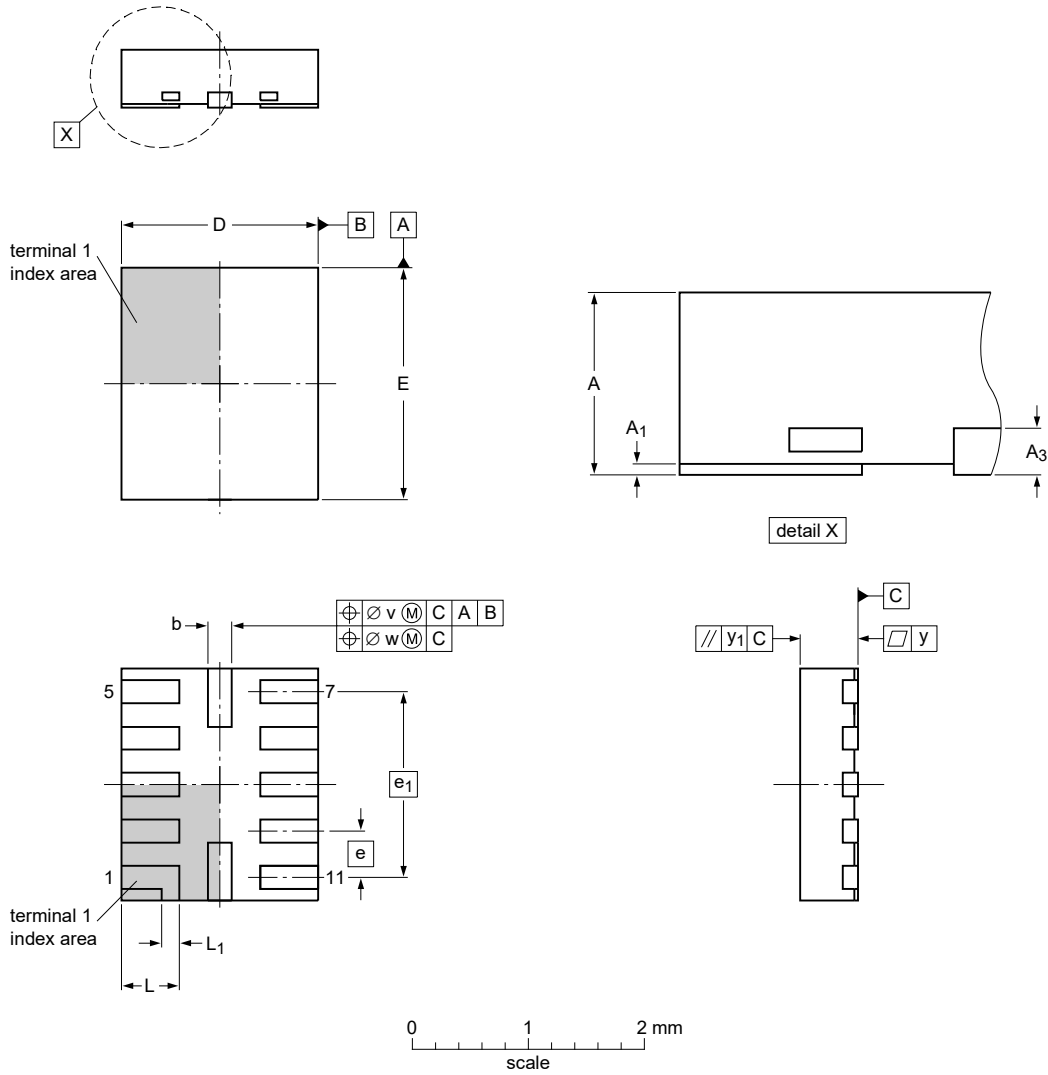
Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	1.6	-	1.7	1.8	mm
E	package width	1.9	-	2	2.1	mm
A	seated height	-	-	-	0.5	mm
e	nominal pitch	-	-	0.4	-	mm
n ₂	actual quantity of termination	-	-	12	-	

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2. Package outline

XQFN12: plastic, extremely thin quad flat package; no leads; 12 terminals; body 1.70 x 2.00 x 0.50 mm

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Dimensions

Unit ⁽¹⁾	A	A ₁	A ₃	b	D	E	e	e ₁	L	L ₁	v	w	y	y ₁
max	0.5	0.05		0.25	1.8	2.1			0.55					
mm nom			0.127	0.20	1.7	2.0	0.4	1.6	0.50	0.15	0.1	0.05	0.05	0.05
min		0.00		0.15	1.6	1.9			0.45					

Note

1. Plastic or metal protrusions of 0.075 mm maximum per side are not included.

sot1174-1_po

Outline version	References			European projection	Issue date
	IEC	JEDEC	JEITA		
SOT1174-1	---	MO-288	---		10-04-07 10-04-21

Fig. 1. Package outline XQFN12 (SOT1174-1)

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3. Soldering

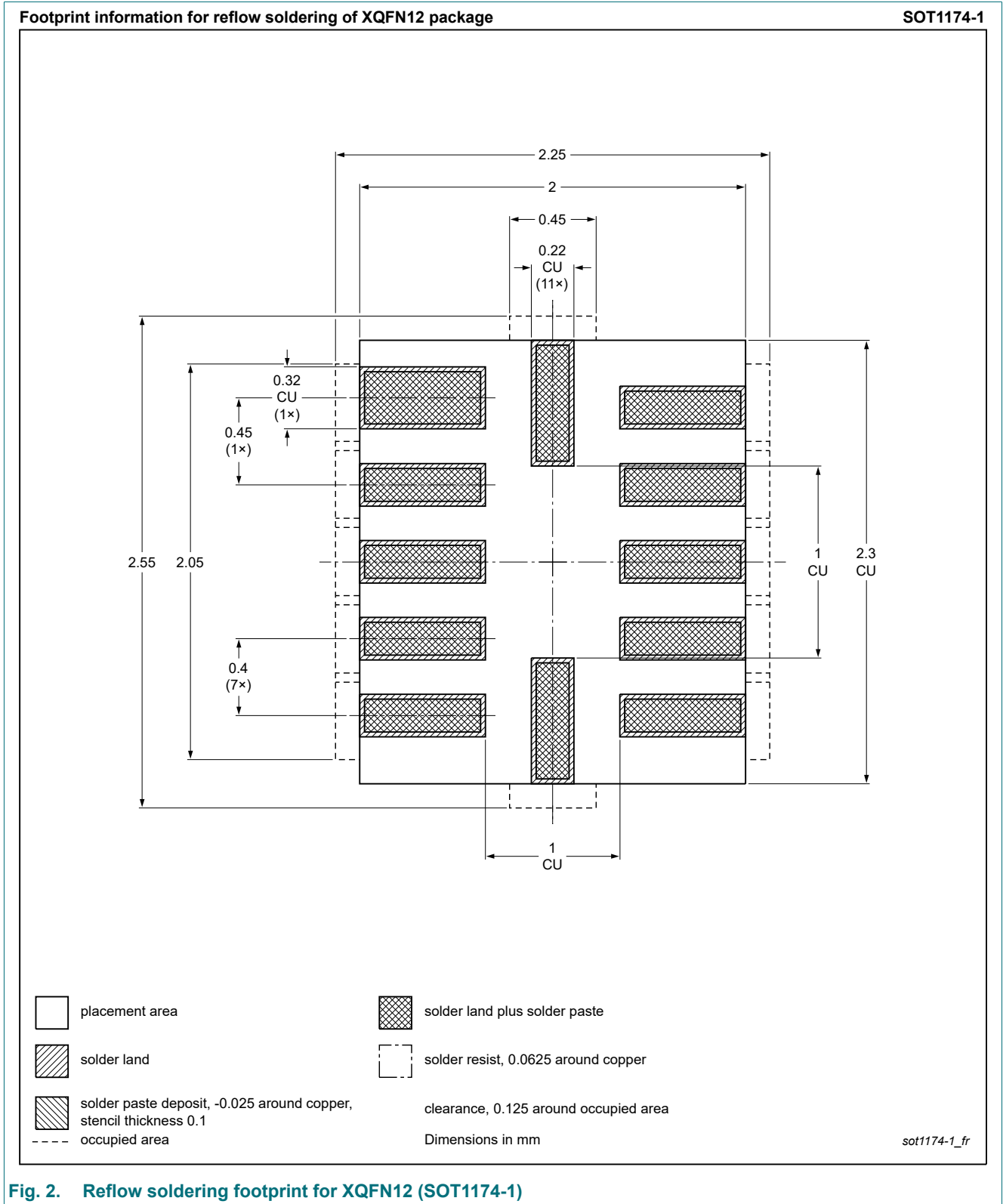


Fig. 2. Reflow soldering footprint for XQFN12 (SOT1174-1)

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