



SOT137-1

plastic, small outline package; 24 leads; 1.27 mm pitch; 15.4 mm x 7.5 mm x 2.65 mm body

18 October 2018

Package information

1. Package summary

Terminal position code	D (double)
Package type descriptive code	SO24
Package type industry code	SO24
Package style descriptive code	SO (small outline)
Package body material type	P (plastic)
IEC package outline code	075E05
JEDEC package outline code	MS-013
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	19-2-2003
Manufacturer package code	SOT137
Footprint dimensions (mm)	15.4 x 10.3
Footprint area (mm²)	158.62

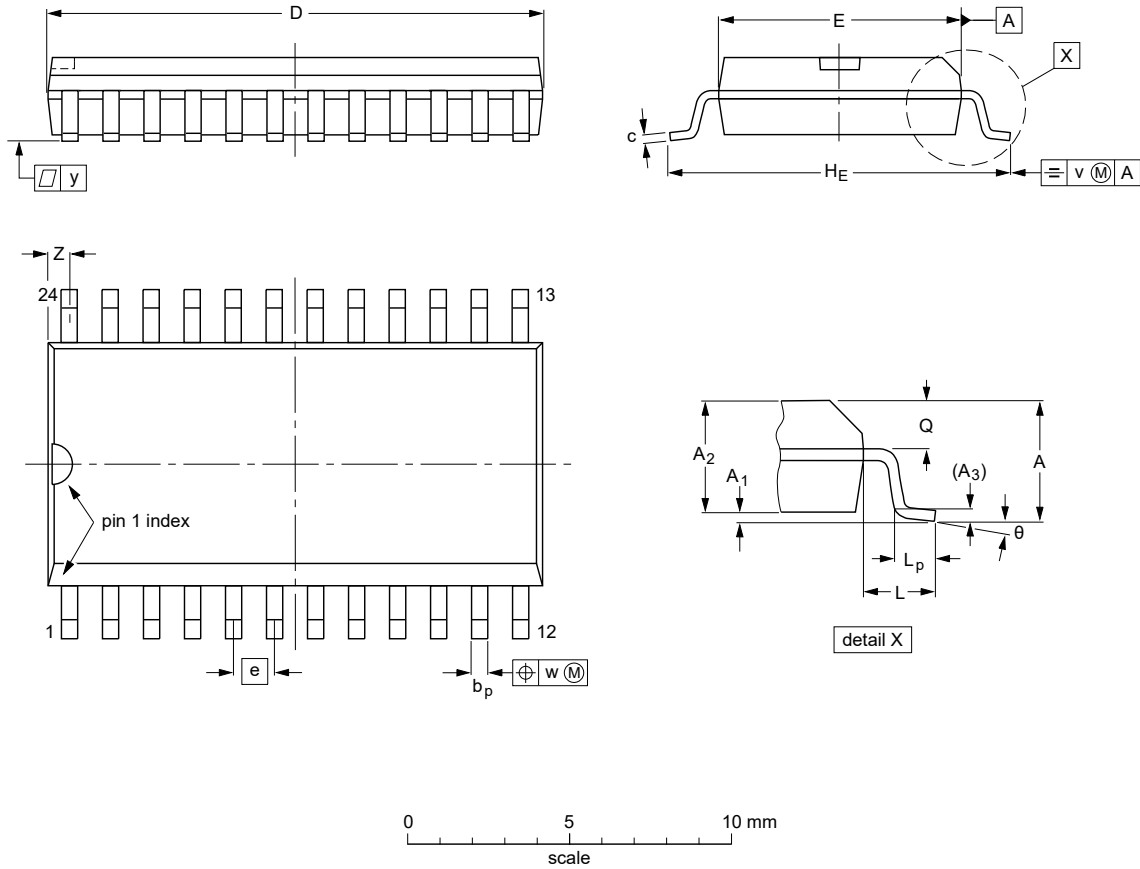
Table 1. Package summary

Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	15.2	-	15.3	15.6	mm
E	package width	7.4	-	7.5	7.6	mm
A	seated height	-	-	2.65	2.65	mm
A ₂	package height	2.25	-	2.35	2.45	mm
e	nominal pitch	-	-	1.27	-	mm
n ₂	actual quantity of termination	-	-	24	-	

2. Package outline

SO24: plastic small outline package; 24 leads; body width 7.5 mm

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DIMENSIONS (inch dimensions are derived from the original mm dimensions)

UNIT	A max.	A ₁	A ₂	A ₃	b _p	c	D ⁽¹⁾	E ⁽¹⁾	e	H _E	L	L _p	Q	v	w	y	Z ⁽¹⁾	θ
mm	2.65	0.3 0.1	2.45 2.25	0.25	0.49 0.36	0.32 0.23	15.6 15.2	7.6 7.4	1.27	10.65 10.00	1.4	1.1 0.4	1.1 1.0	0.25	0.25	0.1	0.9 0.4	8° 0°
inches	0.1	0.012 0.004	0.096 0.089	0.01	0.019 0.014	0.013 0.009	0.61 0.60	0.30 0.29	0.05	0.419 0.394	0.055	0.043 0.016	0.043 0.039	0.01	0.01	0.004	0.035 0.016	

Note

1. Plastic or metal protrusions of 0.15 mm (0.006 inch) maximum per side are not included.

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT137-1	075E05	MS-013				-99-12-27 03-02-19

Fig. 1. Package outline SO24 (SOT137-1)

3. Soldering

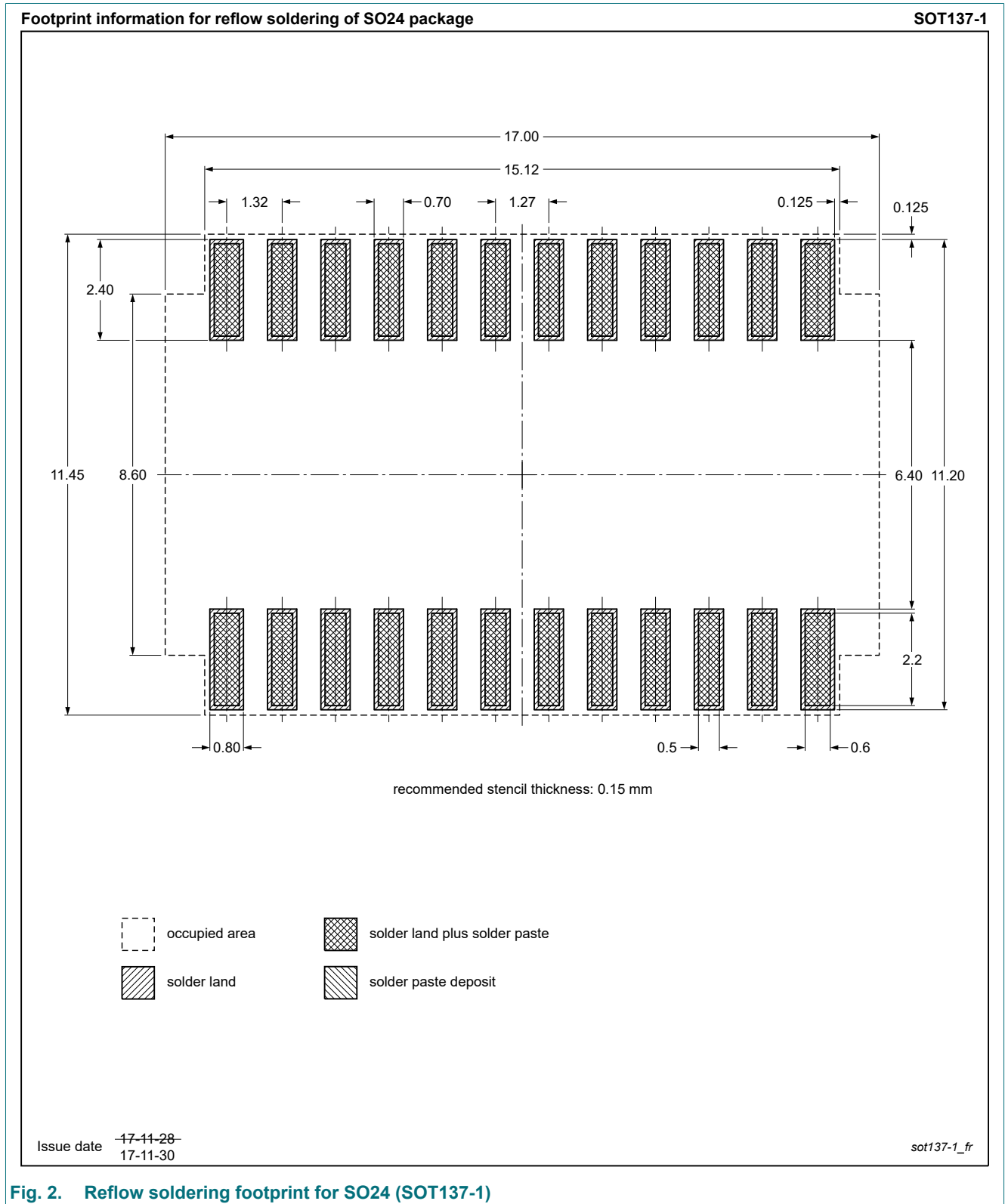


Fig. 2. Reflow soldering footprint for SO24 (SOT137-1)

plastic, small outline package; 24 leads; 1.27 mm pitch; 15.4 mm x 7.5 mm x 2.65 mm body

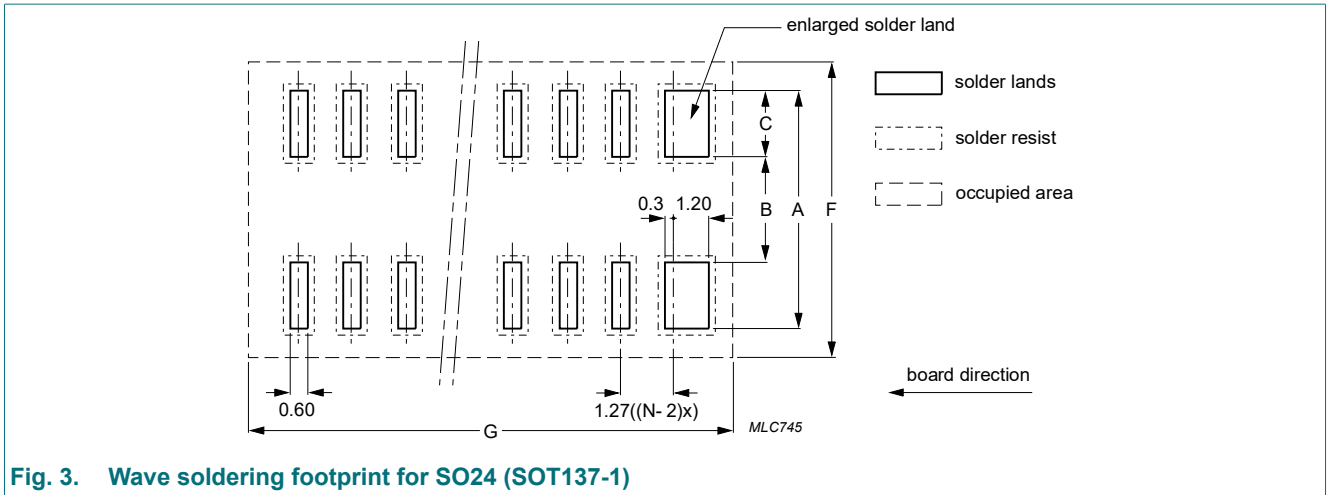


Fig. 3. Wave soldering footprint for SO24 (SOT137-1)

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