



SOT8083-1

plastic, thermal enhanced thin shrink small outline package;
24 leads; 0.65 mm pitch; 7.8 mm × 4.4 mm × 1.2 mm body

10 January 2025

Package information

1. Package summary

Terminal position code	B (bottom)
Package type descriptive code	HTSSOP24
Package type industry code	HTSSOP24
Package style descriptive code	HTSSOP (thermal enhanced thin shrink small outline package)
Package body material type	P (plastic)
JEDEC package outline code	MO-153
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	24-12-2024
Manufacturer package code	SOT8083
Footprint dimensions (mm)	8.1 x 7.5
Footprint area (mm ²)	60.75
Package dimensions including leads (l x w) (mm)	7.8 x 6.4
Package area (mm ²)	49.92

Table 1. Package summary

Symbol	Parameter		Min	Typ	Nom	Max	Unit
D	package length		-	-	7.8	-	mm
E	package width		-	-	6.4	-	mm
A	seated height		-	-	-	1.2	mm
A ₂	package height		0.8	-	-	1.05	mm
e	nominal pitch		-	-	0.65	-	mm
n ₂	actual quantity of termination		-	-	24	-	

2. Package outline

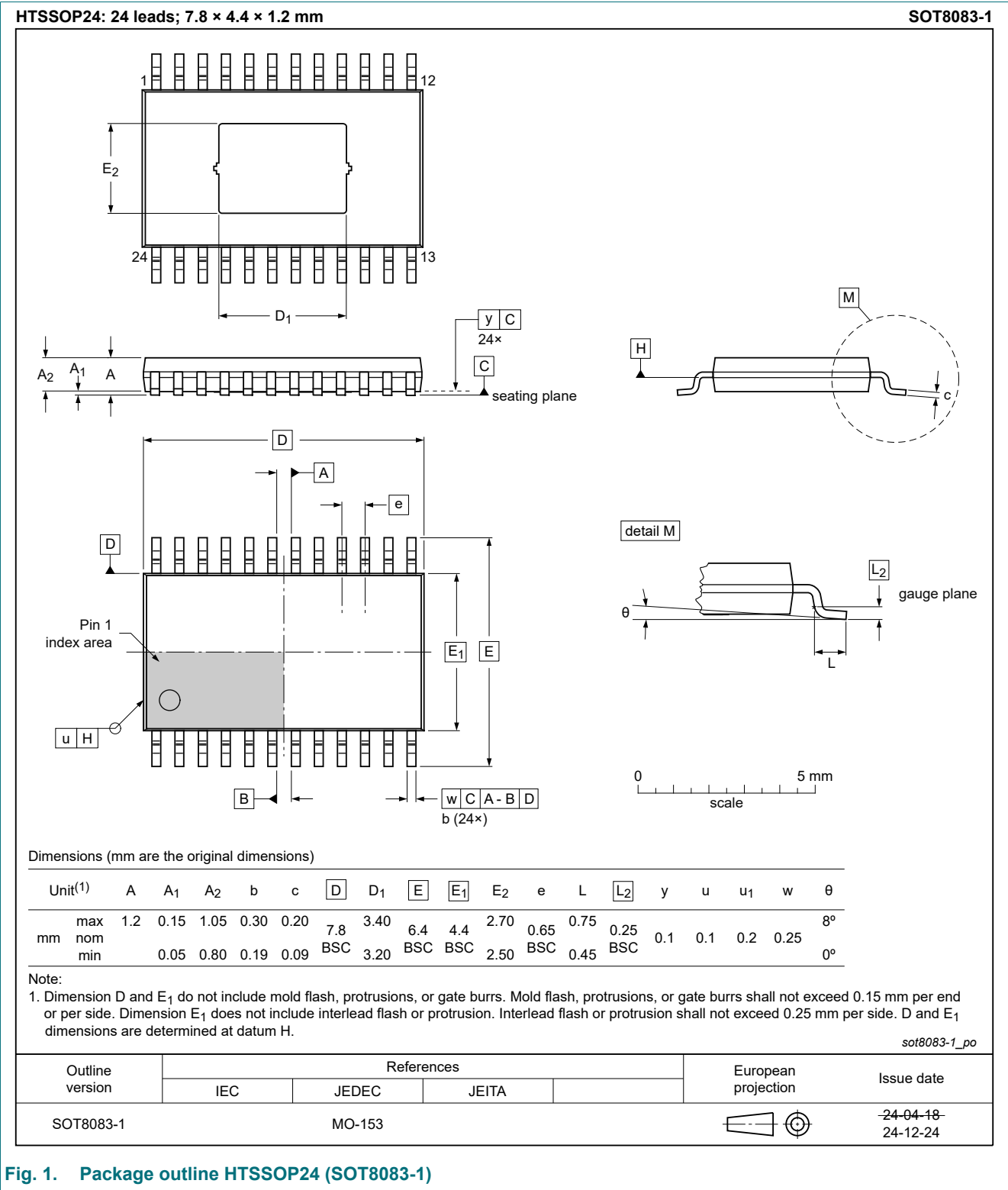


Fig. 1. Package outline HTSSOP24 (SOT8083-1)

3. Soldering

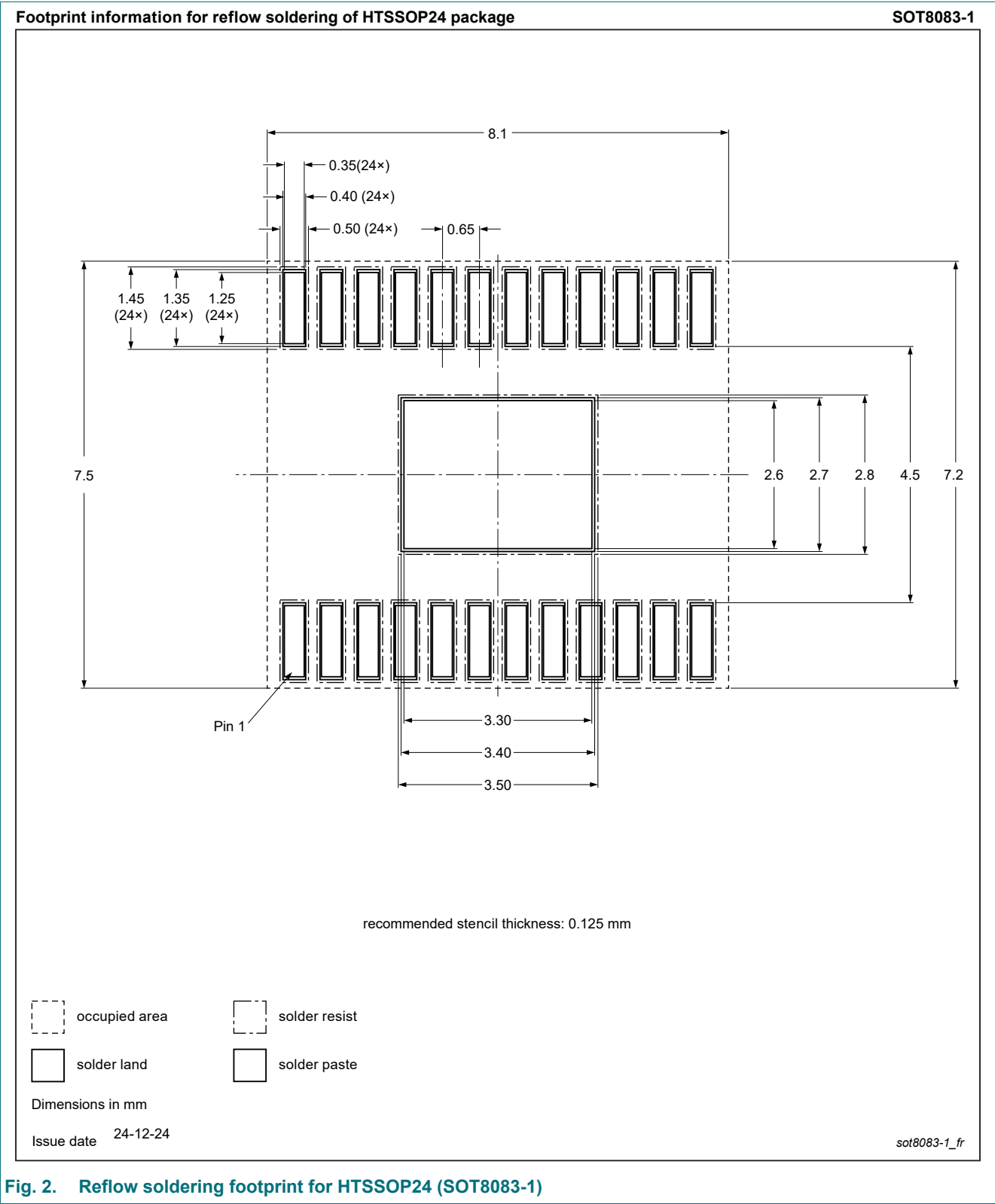


Fig. 2. Reflow soldering footprint for HTSSOP24 (SOT8083-1)

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