



SOT109-1

plastic, small outline package; 16 leads; 1.27 mm pitch; 9.9 mm x 3.9 mm x 1.75 mm body

7 November 2023

Package information

1. Package summary

Terminal position code	D (double)
Package type descriptive code	SO16
Package type industry code	SO16
Package style descriptive code	SO (small outline)
Package body material type	P (plastic)
IEC package outline code	076E07
JEDEC package outline code	MS-012
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	27-10-2023
Manufacturer package code	SOT109
Footprint dimensions (mm)	11.9 x 7.65
Footprint area (mm ²)	91.04
Package dimensions including leads (l x w) (mm)	9.9 x 6
Package area (mm ²)	59.4

Table 1. Package summary

Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	9.8	-	9.9	10	mm
E	package width	3.8	-	3.9	4	mm
A	seated height	-	-	-	1.75	mm
A ₂	package height	1.25	-	-	-	mm
e	nominal pitch	-	-	1.27	-	mm
n ₂	actual quantity of termination	-	-	16	-	

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2. Package outline

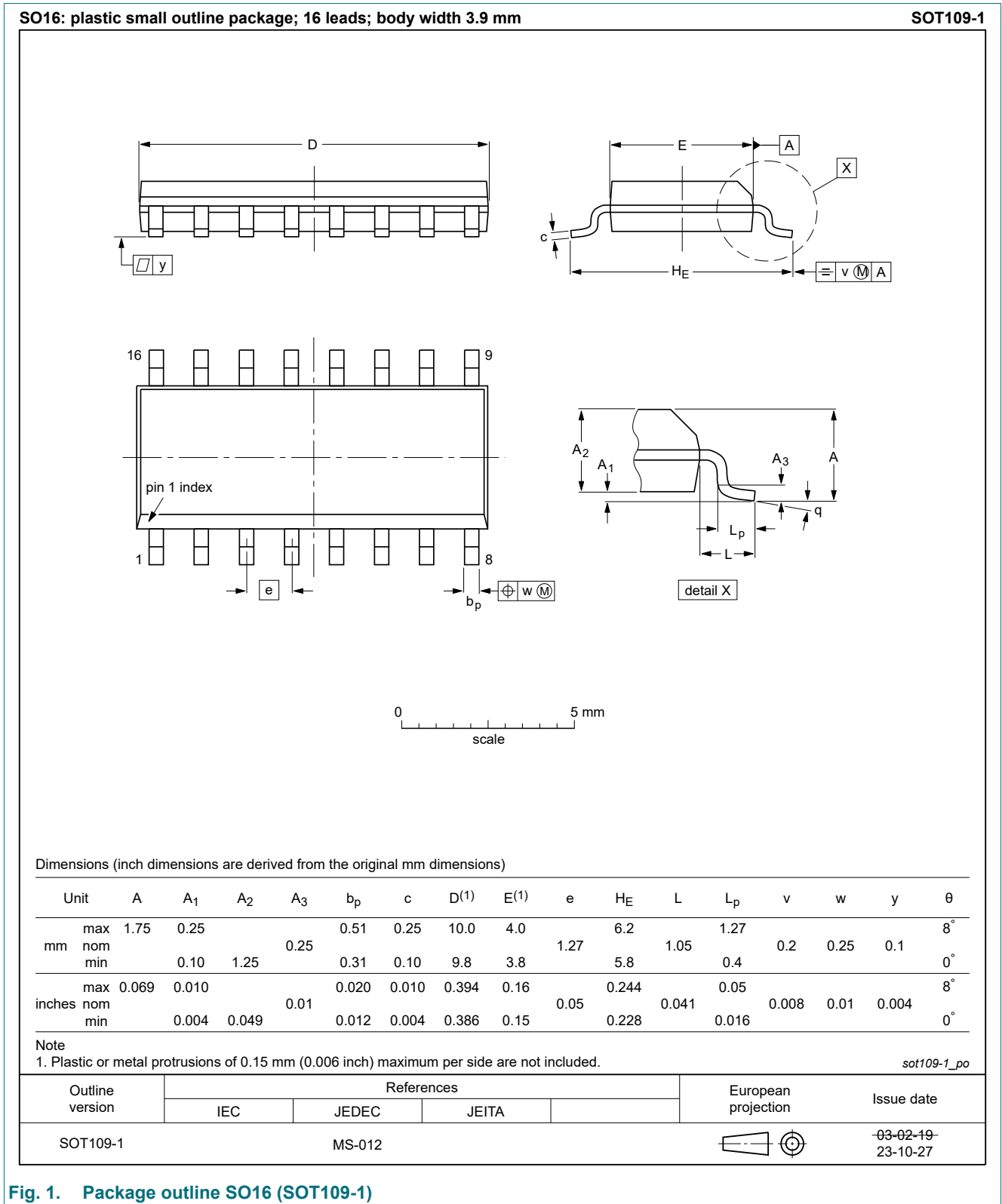


Fig. 1. Package outline SO16 (SOT109-1)

3. Soldering

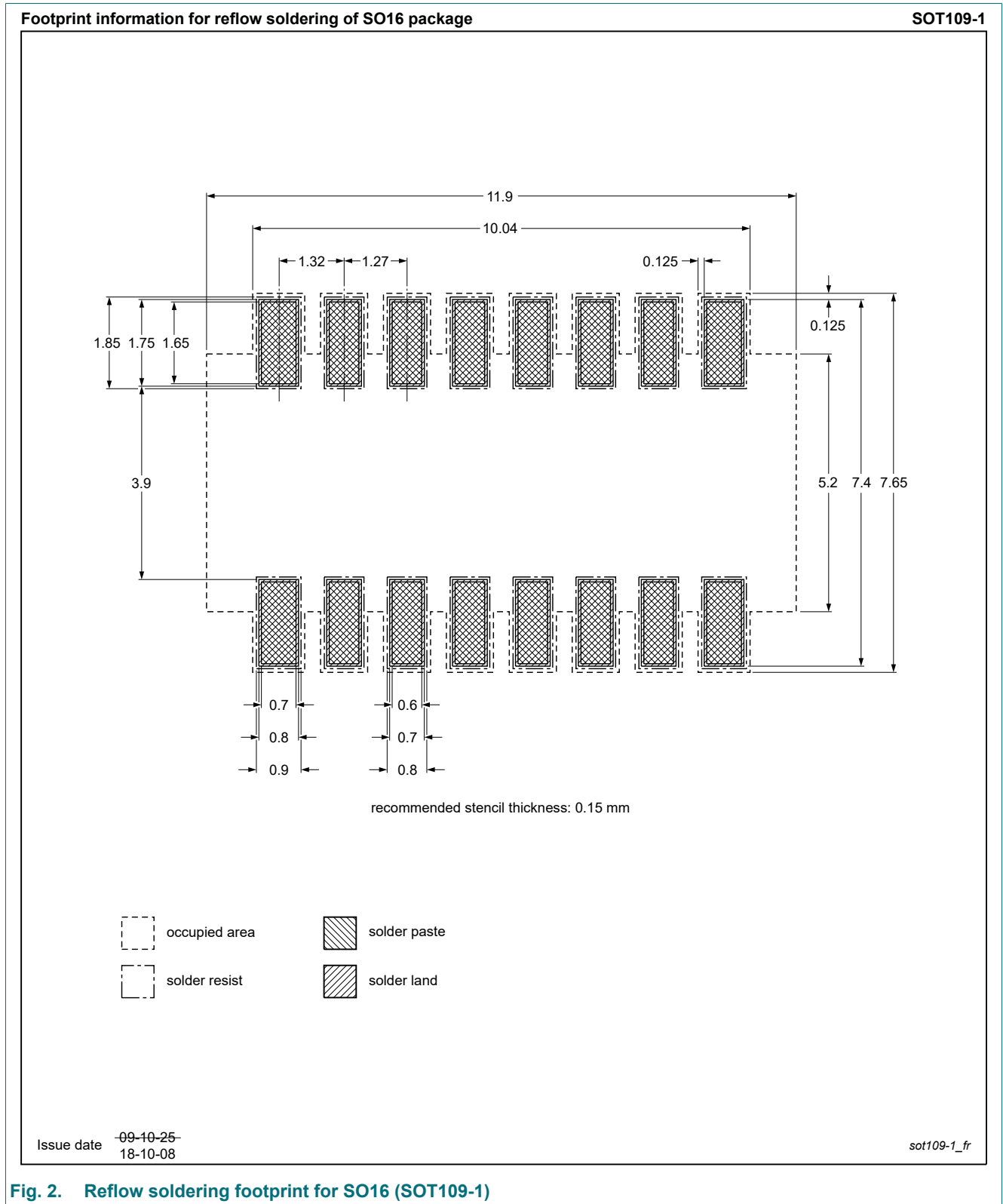
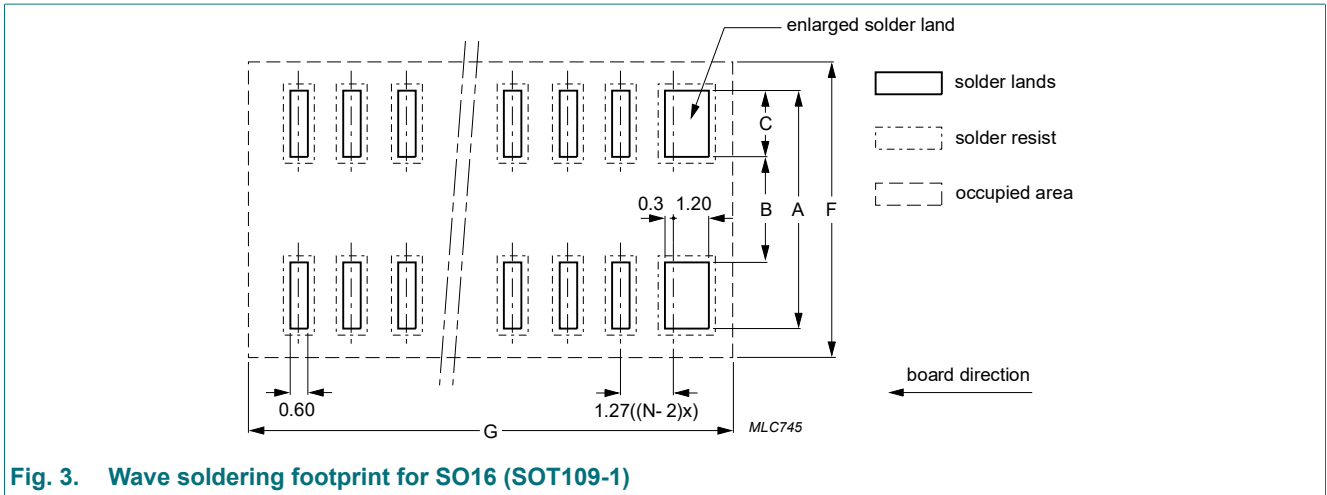


Fig. 2. Reflow soldering footprint for SO16 (SOT109-1)

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Contents

1. Package summary.....	1
2. Package outline.....	2
3. Soldering.....	3
4. Legal information.....	5

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Date of release: 7 November 2023
