



SOT109-1

plastic, small outline package; 16 leads; 1.27 mm pitch; 9.9 mm x 3.9 mm x 1.35 mm body

30 January 2017

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)
Issue date	19-2-2003
Manufacturer package code	SOT109

Table 1. Package summary

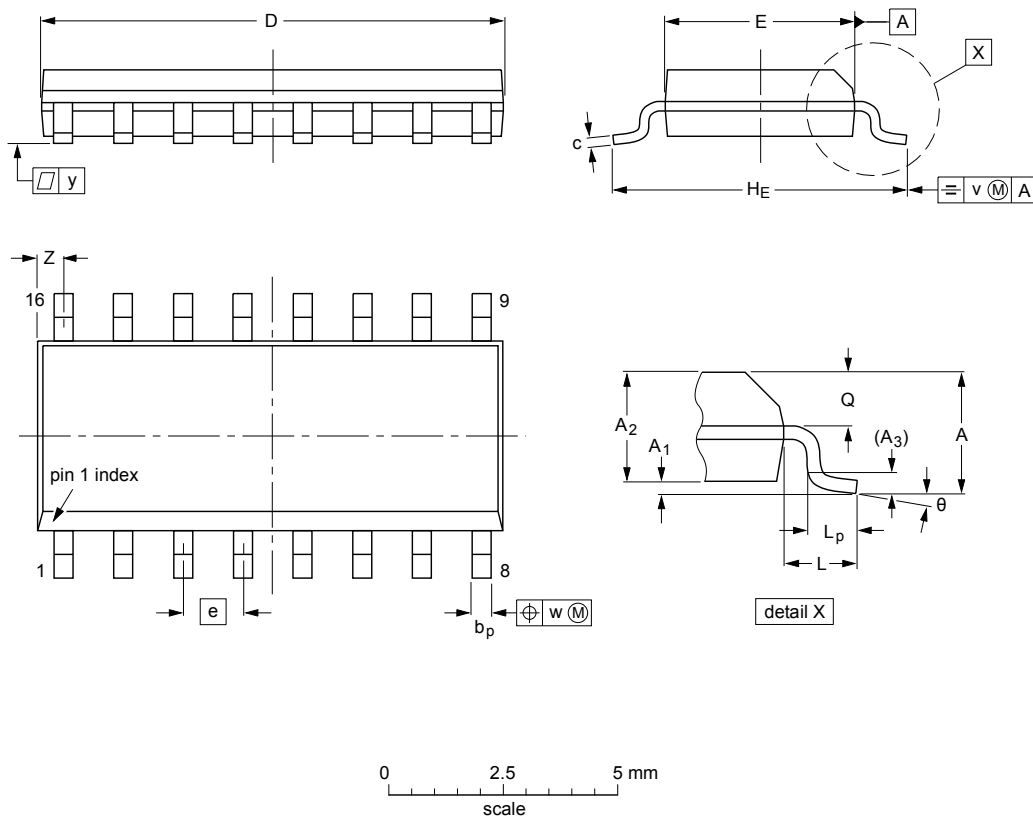
Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	9.8	-	9.9	10	mm
E	package width	3.8	-	3.9	4	mm
A	seated height	-	-	1.75	1.75	mm
A ₂	package height	1.25	-	1.35	1.45	mm
e	nominal pitch	-	-	1.27	-	mm
n ₂	actual quantity of termination	-	-	16	-	

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2. Package outline

SO16: plastic small outline package; 16 leads; body width 3.9 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	1.75	0.25 0.10	1.45 1.25	0.25	0.49 0.36	0.25 0.19	10.0 9.8	4.0 3.8	1.27	6.2 5.8	1.05	1.0 0.4	0.7 0.6	0.25	0.25	0.1	0.7 0.3	8° 0°
inches	0.069	0.010 0.004	0.057 0.049	0.01	0.019 0.014	0.0100 0.0075	0.39 0.38	0.16 0.15	0.05	0.244 0.228	0.041	0.039 0.016	0.028 0.020	0.01	0.01	0.004	0.028 0.012	

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			
SOT109-1	076E07	MS-012				99-12-27 03-02-19

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

3. Soldering

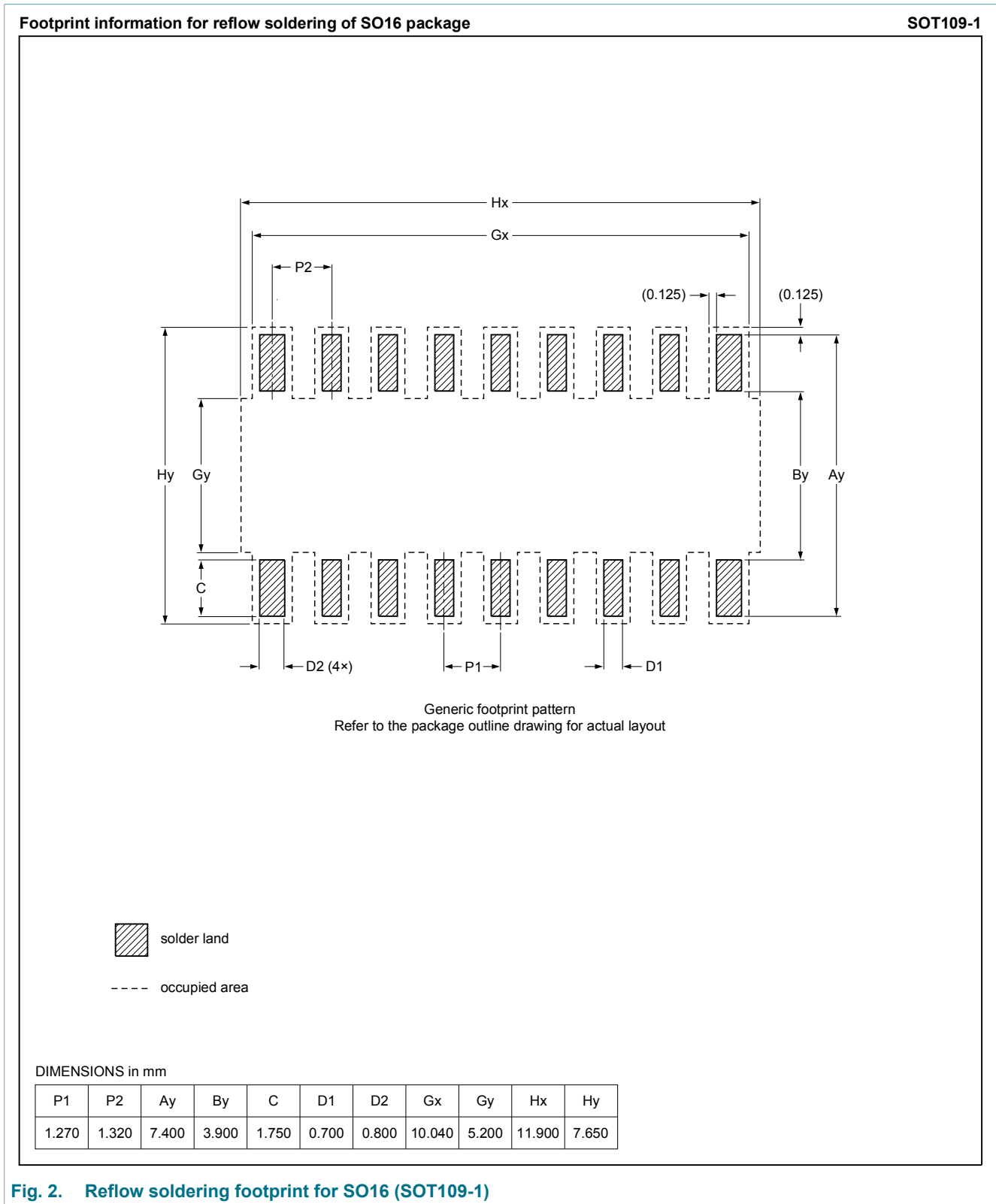
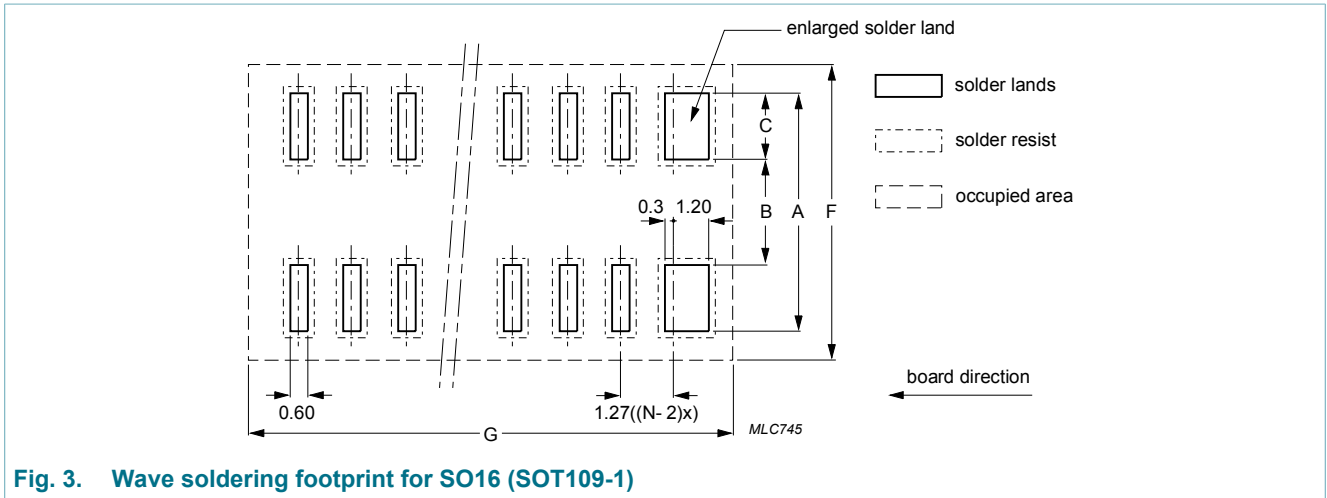


Fig. 2. Reflow soldering footprint for SO16 (SOT109-1)

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4. Legal information

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Date of release: 30 January 2017
