



# SOT519-1

plastic, shrink small outline package; 16 leads; 0.635 mm pitch; 4.9 mm x 3.9 mm x 1.73 mm body

20 June 2022

Package information

## 1. Package summary

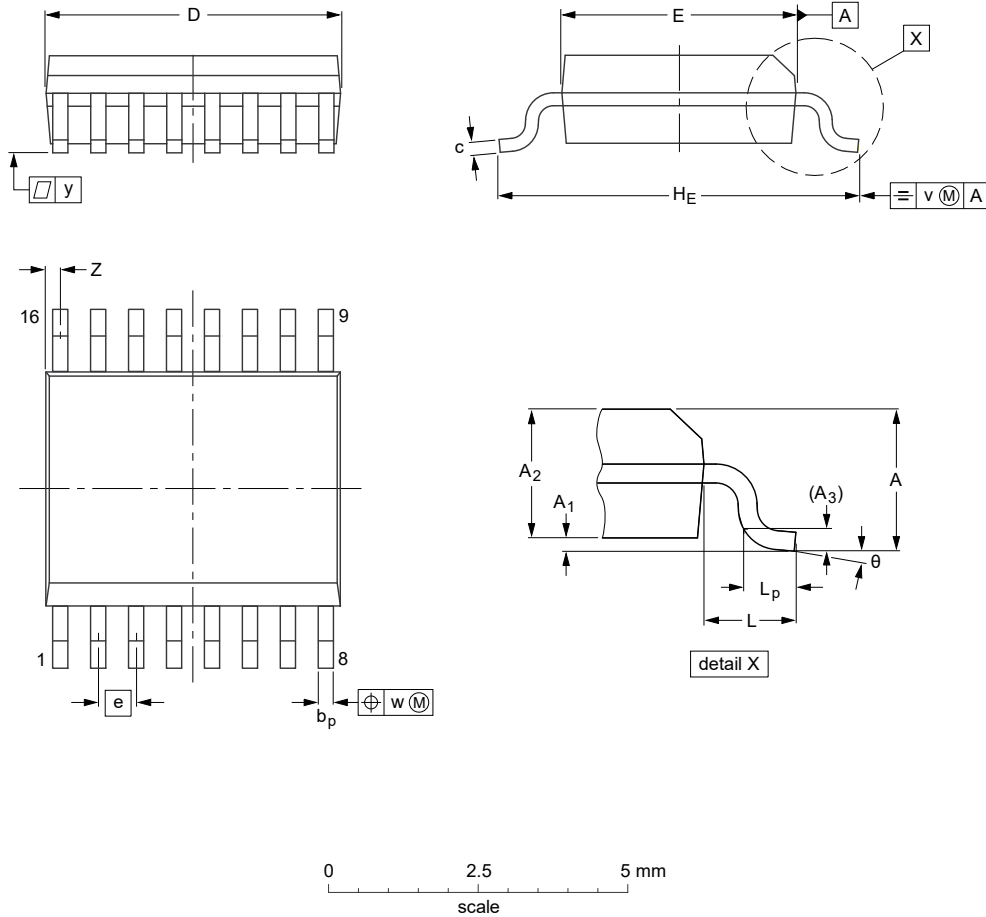
<b>Terminal position code</b>	D (double)
<b>Package type descriptive code</b>	SSOP16
<b>Package type industry code</b>	SSOP16
<b>Package style descriptive code</b>	SSOP (shrink small outline package)
<b>Package body material type</b>	P (plastic)
<b>Mounting method type</b>	S (surface mount)
<b>Number of package outline detail graphic references</b>	0
<b>Issue date</b>	18-2-2003
<b>Manufacturer package code</b>	SOT519
<b>Footprint dimensions (mm)</b>	6.85 x 5.5
<b>Footprint area (mm<sup>2</sup>)</b>	37.68

Table 1. Package summary

Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	4.8	-	4.9	5	mm
E	package width	3.8	-	3.9	4	mm
A	seated height	-	-	1.73	1.73	mm
A <sub>2</sub>	package height	1.4	-	1.55	1.55	mm
e	nominal pitch	-	-	0.635	-	mm
n <sub>2</sub>	actual quantity of termination	-	-	16	-	

2. Package outline

SSOP16: plastic shrink small outline package; 16 leads; body width 3.9 mm; lead pitch 0.635 mm SOT519-1



DIMENSIONS (mm are the original dimensions)

UNIT	A max.	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	b <sub>p</sub>	c	D <sup>(1)</sup>	E <sup>(1)</sup>	e	H <sub>E</sub>	L	L <sub>p</sub>	v	w	y	Z <sup>(1)</sup>	θ
mm	1.73	0.25 0.10	1.55 1.40	0.25	0.31 0.20	0.25 0.18	5.0 4.8	4.0 3.8	0.635	6.2 5.8	1	0.89 0.41	0.2	0.18	0.09	0.18 0.05	8° 0°

Note

1. Plastic or metal protrusions of 0.2 mm maximum per side are not included.

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT519-1						-99-05-04- 03-02-18

Fig. 1. Package outline SSOP16 (SOT519-1)

### 3. Soldering

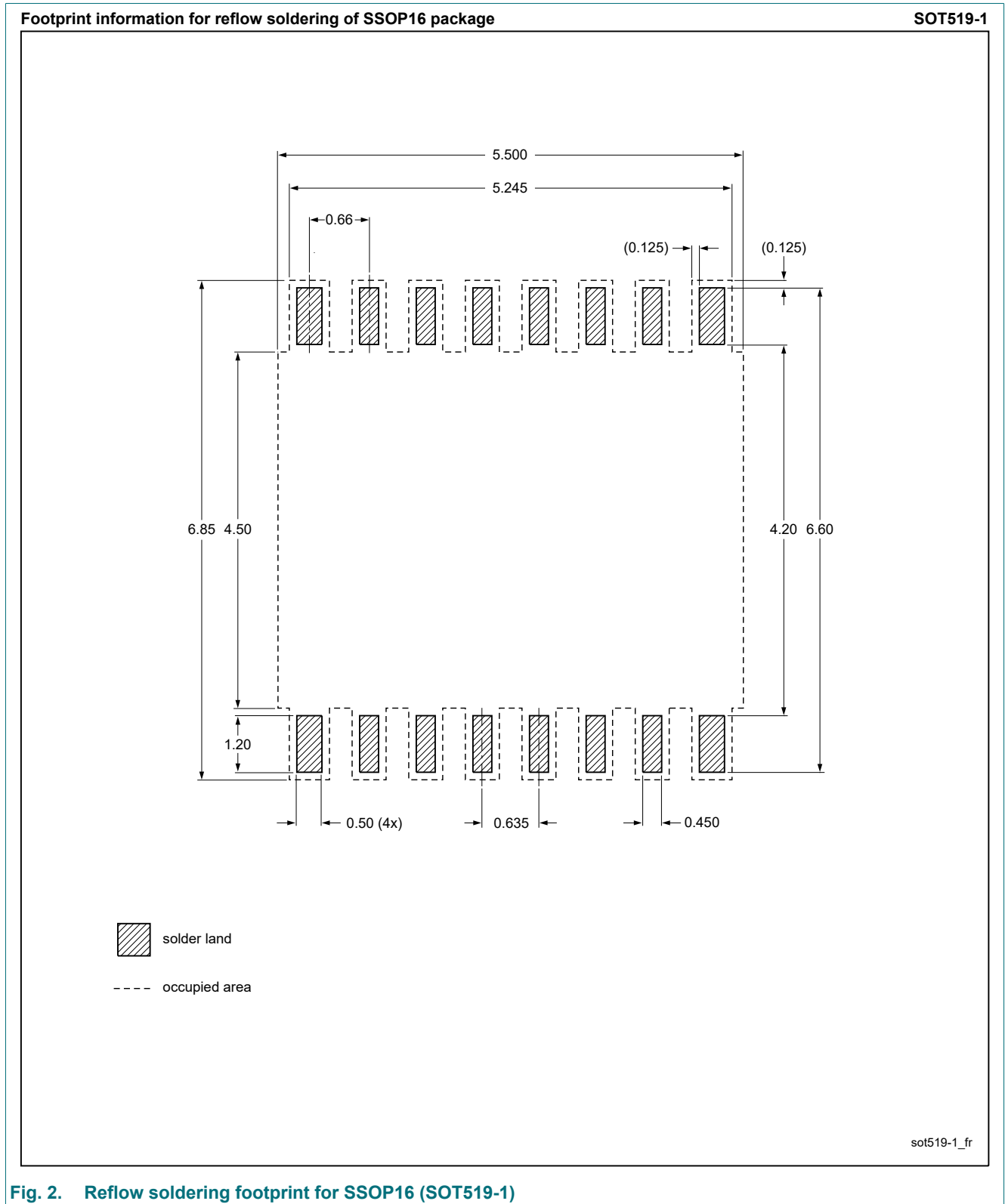


Fig. 2. Reflow soldering footprint for SSOP16 (SOT519-1)

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Date of release: 20 June 2022

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