



# SOT393-1

plastic quad flat package; 64 leads (lead length 1.6 mm);  
body 14 x 14 x 2.7 mm

8 February 2016

Package information

## 1. Package summary

<b>Terminal position code</b>	Q (quad)
<b>Package type descriptive code</b>	QFP64
<b>Package type industry code</b>	QFP64
<b>Package style descriptive code</b>	QFP (quad flat package)
<b>Package style suffix code</b>	NA (not applicable)
<b>Package body material type</b>	P (plastic)
<b>IEC package outline code</b>	134E07
<b>JEDEC package outline code</b>	MS-022
<b>Mounting method type</b>	S (surface mount)
<b>Issue date</b>	20-2-2003

Table 1. Package summary

Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	13.9	-	14	14.1	mm
E	package width	13.9	-	14	14.1	mm
A	seated height	[tbd]	-	3	3	mm
A <sub>2</sub>	package height	2.55	-	2.7	2.75	mm
n <sub>2</sub>	actual quantity of termination	-	-	64	-	

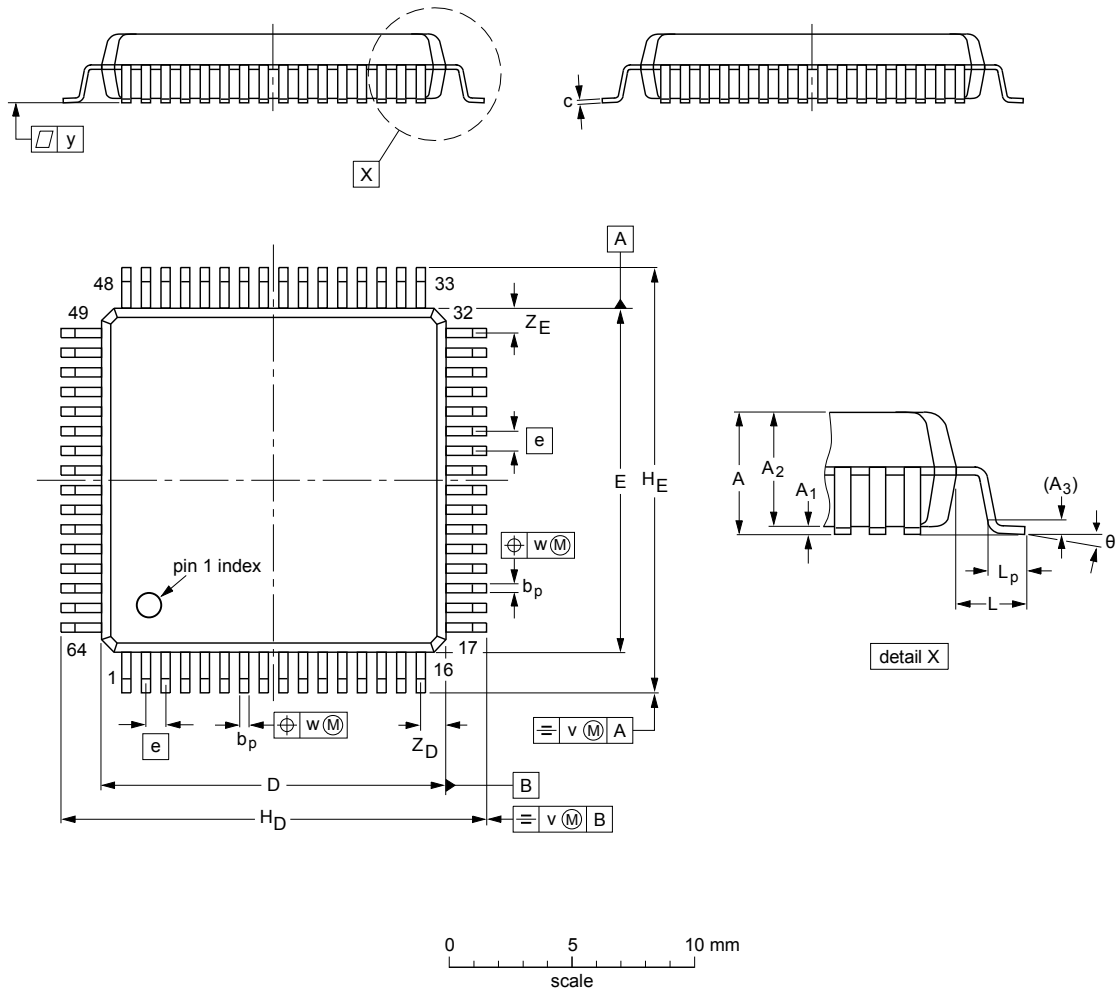


plastic quad flat package; 64 leads (lead length 1.6 mm); body 14 x 14 x 2.7 mm

2. Package outline

QFP64: plastic quad flat package; 64 leads (lead length 1.6 mm); body 14 x 14 x 2.7 mm

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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>D</sub>	H <sub>E</sub>	L	L <sub>p</sub>	v	w	y	Z <sub>D</sub> <sup>(1)</sup>	Z <sub>E</sub> <sup>(1)</sup>	θ
mm	3	0.25 0.10	2.75 2.55	0.25	0.45 0.30	0.23 0.13	14.1 13.9	14.1 13.9	0.8	17.45 16.95	17.45 16.95	1.6	1.03 0.73	0.16	0.16	0.1	1.2 0.8	1.2 0.8	7° 0°

Note

1. Plastic or metal protrusions of 0.25 mm maximum per side are not included.

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT393-1	134E07	MS-022				00-04-19 03-02-20

Fig. 1. Package outline QFP64 (SOT393-1)

plastic quad flat package; 64 leads (lead length 1.6 mm); body 14 x 14 x 2.7 mm

### 3. Soldering

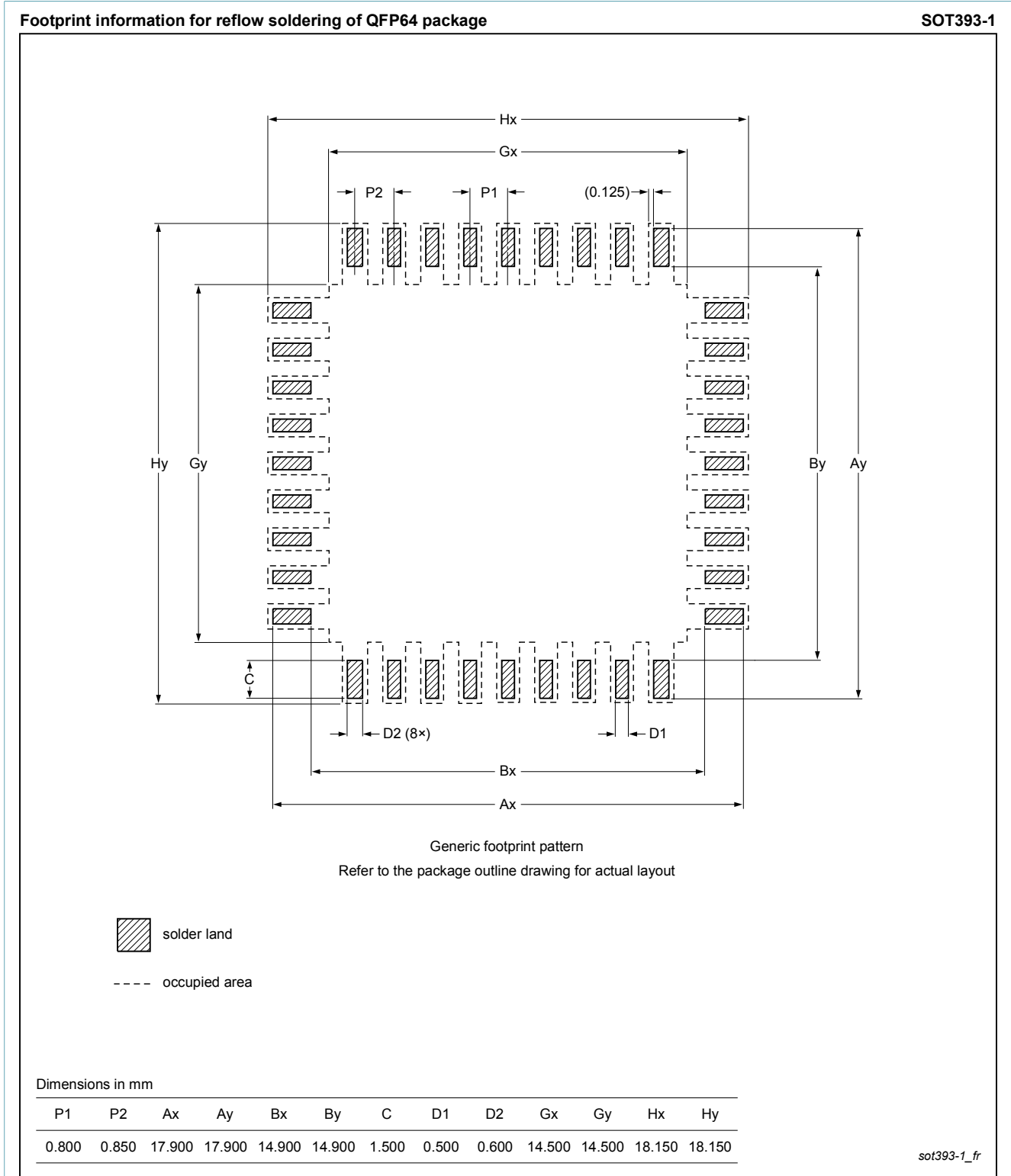


Fig. 2. Reflow soldering footprint for QFP64 (SOT393-1)

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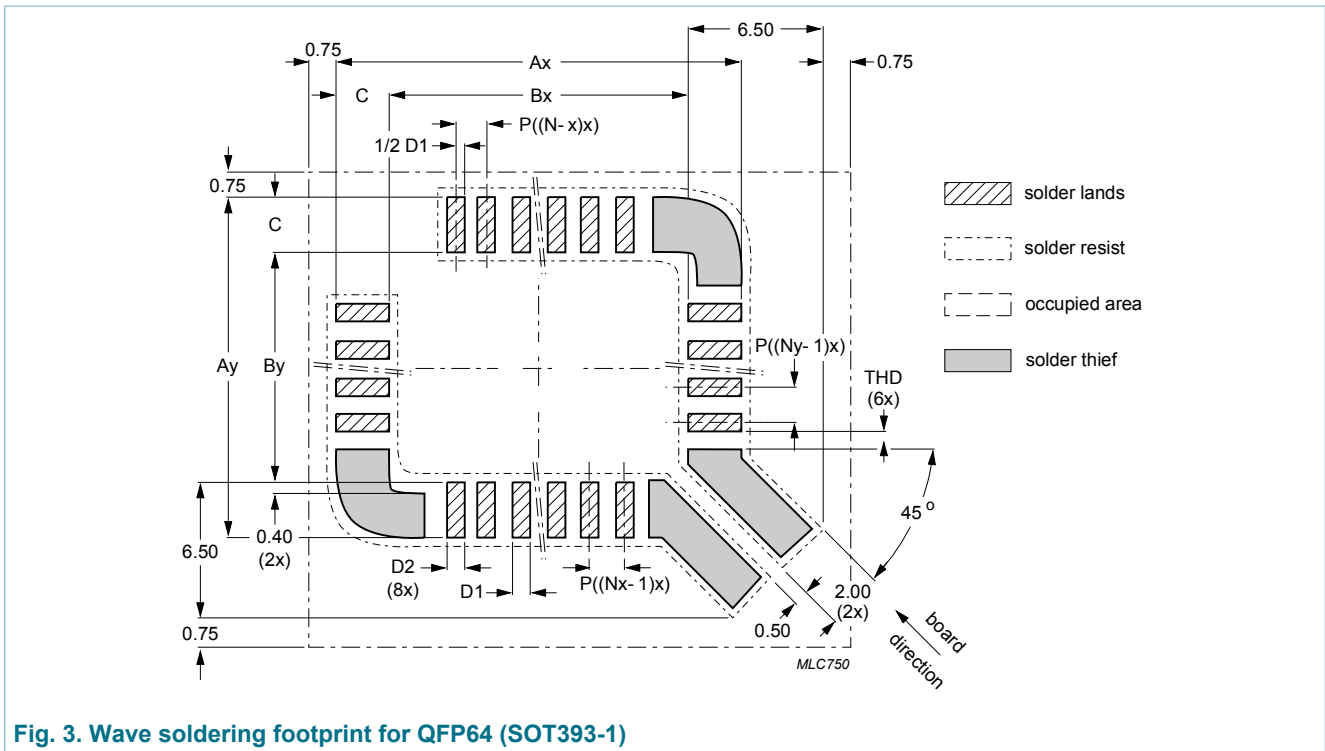


Fig. 3. Wave soldering footprint for QFP64 (SOT393-1)

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## 4. Legal information

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Date of release: 8 February 2016

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