



SOT902-2

plastic, leadless extremely thin quad flat package; 8 terminals; 0.5 mm pitch; 1.6 mm x 1.6 mm x 0.5 mm body

14 November 2018

Package information

1. Package summary

Terminal position code	B (bottom)
Package type descriptive code	XQFN8
Package type industry code	XQFN8
Package style descriptive code	XQFN (extremely thin quad flatpack; no leads)
Package body material type	P (plastic)
IEC package outline code	---
JEDEC package outline code	MO-255
JEITA package outline code	---
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	12-7-2016
Manufacturer package code	SOT902
Footprint dimensions (mm)	1.6 x 1.6
Footprint area (mm ²)	2.6

Table 1. Package summary

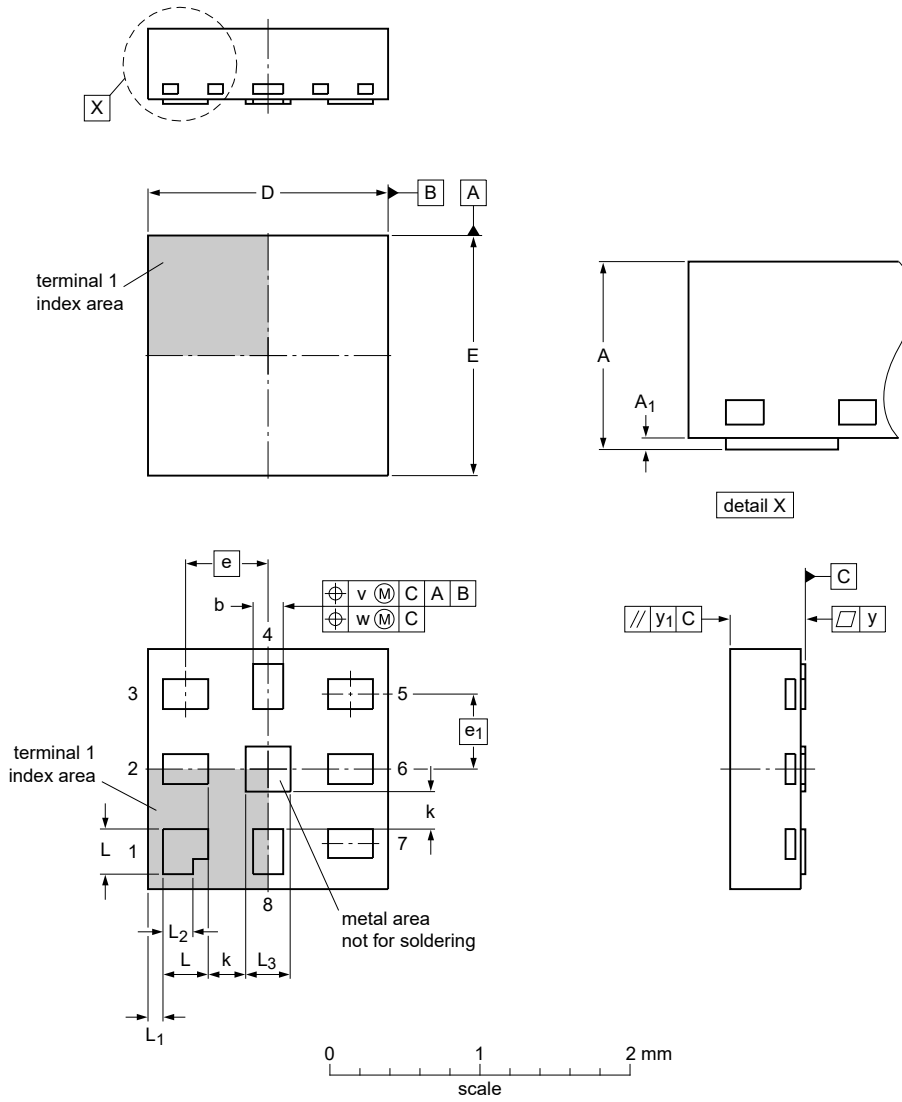
Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	1.55	-	1.6	1.65	mm
E	package width	1.55	-	1.6	1.65	mm
A	seated height	-	-	-	0.5	mm
e	nominal pitch	-	-	0.5	-	mm
e ₁	minimal pitch	-	-	0.55	-	mm
n ₂	actual quantity of termination	-	-	8	-	

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2. Package outline

XQFN8: plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 x 1.6 x 0.5 mm

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Dimensions

Unit ⁽¹⁾	A	A ₁	b	D	E	e	e ₁	k	L	L ₁	L ₂	L ₃	v	w	y	y ₁
max	0.5	0.05	0.25	1.65	1.65				0.35	0.15	0.25	0.35				
mm	nom		0.20	1.60	1.60	0.55	0.5		0.30	0.10	0.20	0.30	0.1	0.05	0.05	0.05
min		0.00	0.15	1.55	1.55			0.2	0.25	0.05	0.15	0.25				

Note

1. Plastic or metal protrusions of 0.075 mm maximum per side are not included.

sot902-2_po

Outline version	References			European projection	Issue date
	IEC	JEDEC	JEITA		
SOT902-2	---	MO-255	---		16-07-14 16-11-08

Fig. 1. Package outline XQFN8 (SOT902-2)

3. Soldering

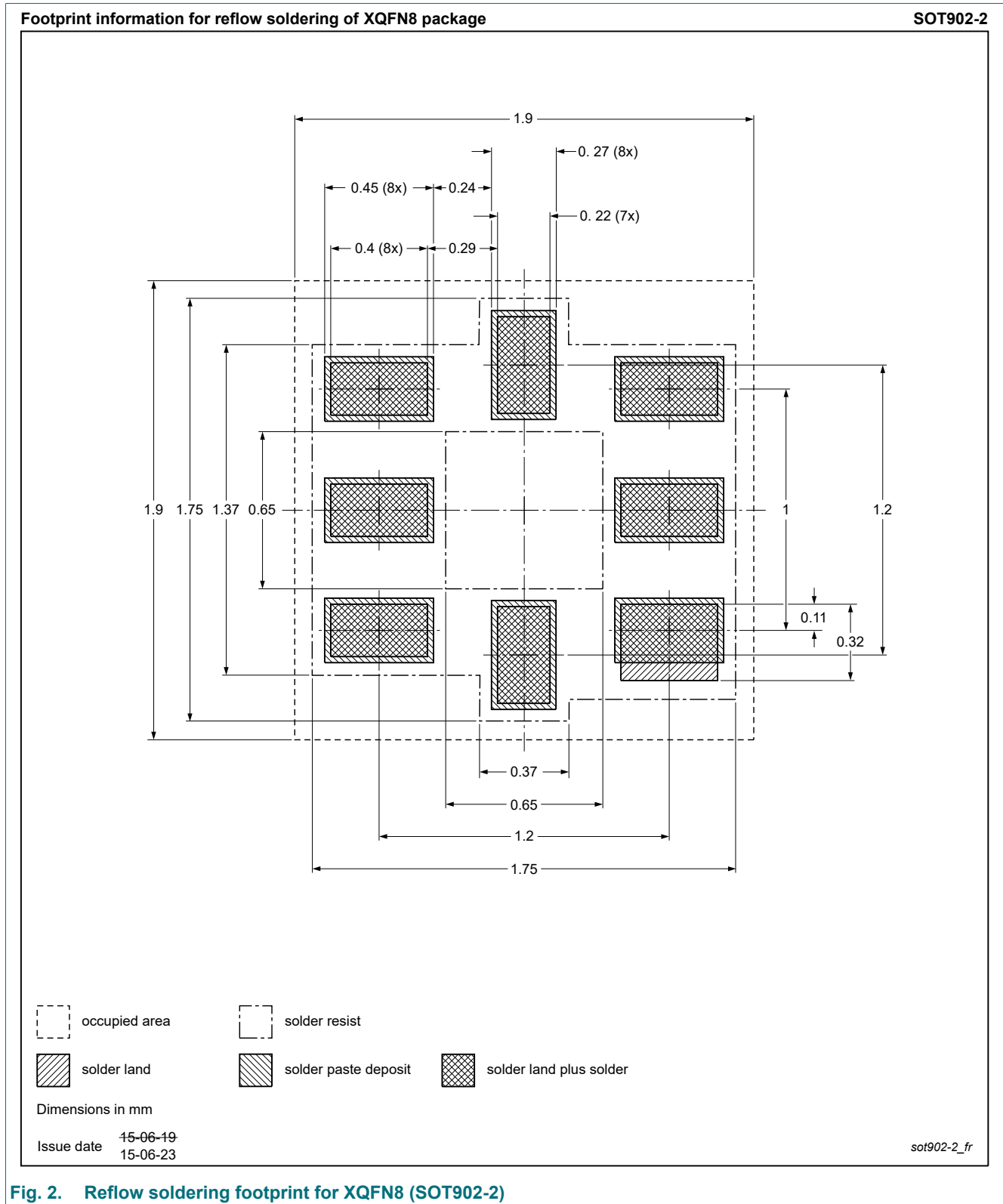


Fig. 2. Reflow soldering footprint for XQFN8 (SOT902-2)

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For sales office addresses, please send an email to: salesaddresses@nexperia.com
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