1. Package summary

Terminal position code	B (bottom)
Package type descriptive code	XSON6
Package type industry code	XSON6
Package style descriptive code	XSON (extremely thin small outline; no leads)
Package body material type	P (plastic)
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	15-5-2007
Manufacturer package code	SOT891

Table 1. Package summary

Symbol	Parameter		Min	Typ	Nom	Max	Unit
D	package length		0.95	-	1	1.05	mm
E	package width		0.95	-	1	1.05	mm
A	seated height		-	-	0.5	0.5	mm
e	nominal pitch		-	-	0.55	-	mm
e_1	minimal pitch		-	-	0.35	-	mm
n_2	actual quantity of termination		-	-	6	-	

nexperia

plastic, leadless extremely thin small outline package; 6 terminals; 0.35 mm pitch; 1 mm x 1 mm x 0.5 mm body

2. Package outline

XSON6: plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1 x 0.5 mm **SOT891**

DIMENSIONS (mm are the original dimensions)

UNIT	A max	A₁ max	b	D	E	e	e₁	L	L₁
mm	0.5	0.04	0.20 0.12	1.05 0.95	1.05 0.95	0.55	0.35	0.35 0.27	0.40 0.32

Note
1. Can be visible in some manufacturing processes.

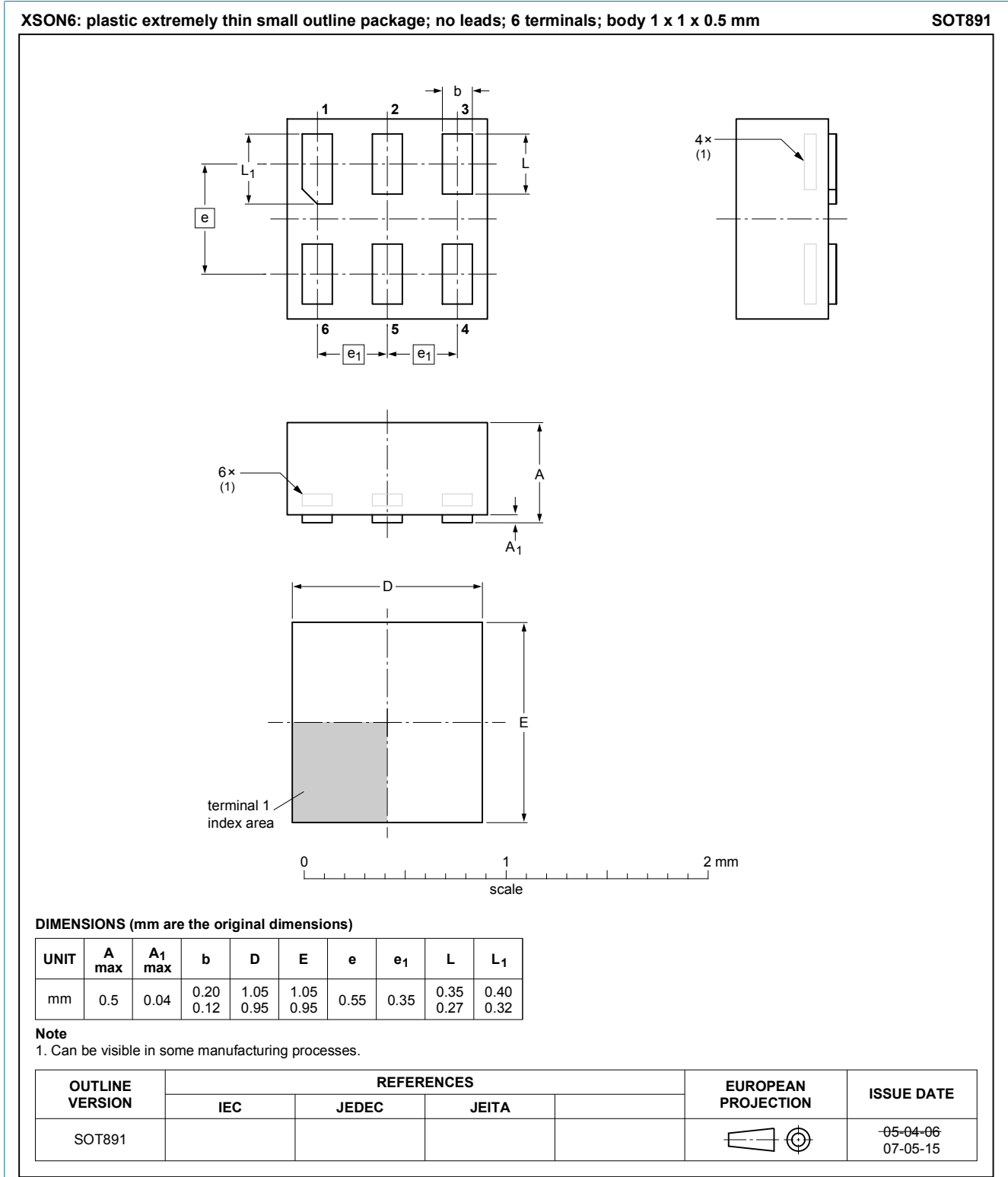| OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT891						~~05-04-06~~ 07-05-15

Fig. 1. Package outline XSON6 (SOT891)

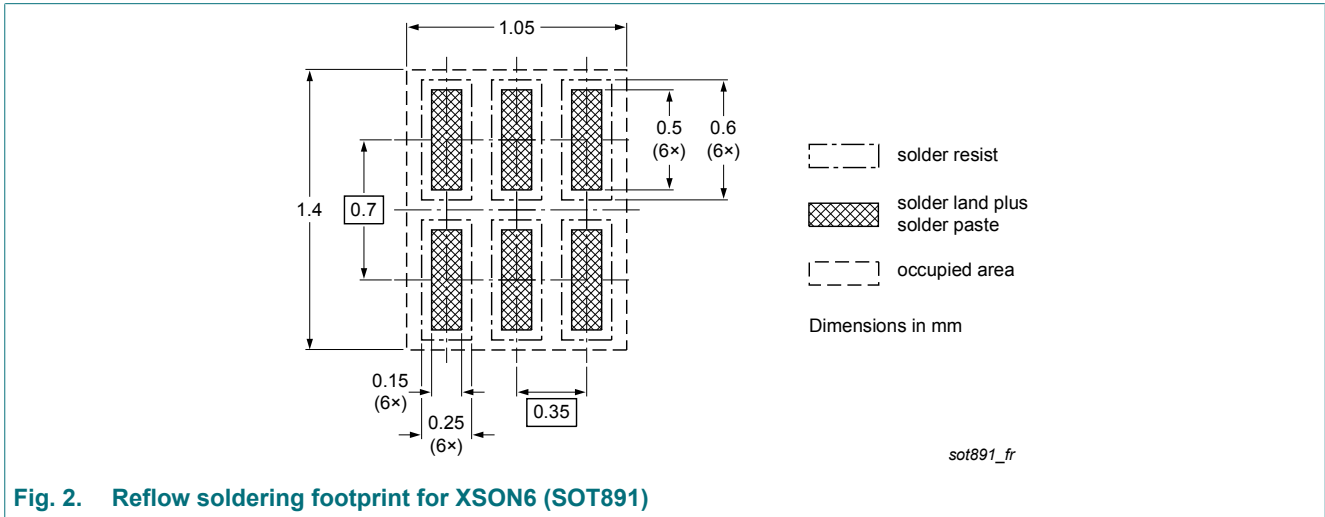**plastic, leadless extremely thin small outline package; 6 terminals; 0.35 mm pitch; 1 mm x 1 mm x 0.5 mm body**

3. Soldering

Fig. 2.	**Reflow soldering footprint for XSON6 (SOT891)**

4. Legal information

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