



SOT1166-1

plastic, thermal enhanced ultra thin small outline package; 8 terminals; 0.4 mm pitch; 1.7 mm x 1.35 mm x 0.55 mm body

29 January 2025

Package information

1. Package summary

Terminal position code	D (double)
Package type descriptive code	DFN1714-8
Package type industry code	DFN1714-8
Package style descriptive code	HUSON (thermal enhanced ultra thin small outline; no leads)
Package body material type	P (plastic)
IEC package outline code	- - -
JEDEC package outline code	- - -
JEITA package outline code	- - -
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	22-3-2010
Manufacturer package code	SOT1166
Footprint dimensions (mm)	1.99 x 1.91
Footprint area (mm ²)	3.80
Package dimensions including leads (l x w) (mm)	1.7 x 1.35
Package area (mm ²)	2.295

Table 1. Package summary

Symbol	Parameter		Min	Typ	Nom	Max	Unit
D	package length		1.6	-	1.7	1.8	mm
E	package width		1.25	-	1.35	1.45	mm
A	seated height		-	-	-	0.55	mm
e	nominal pitch		-	-	0.4	-	mm
n ₂	actual quantity of termination		-	-	8	-	

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2. Package outline

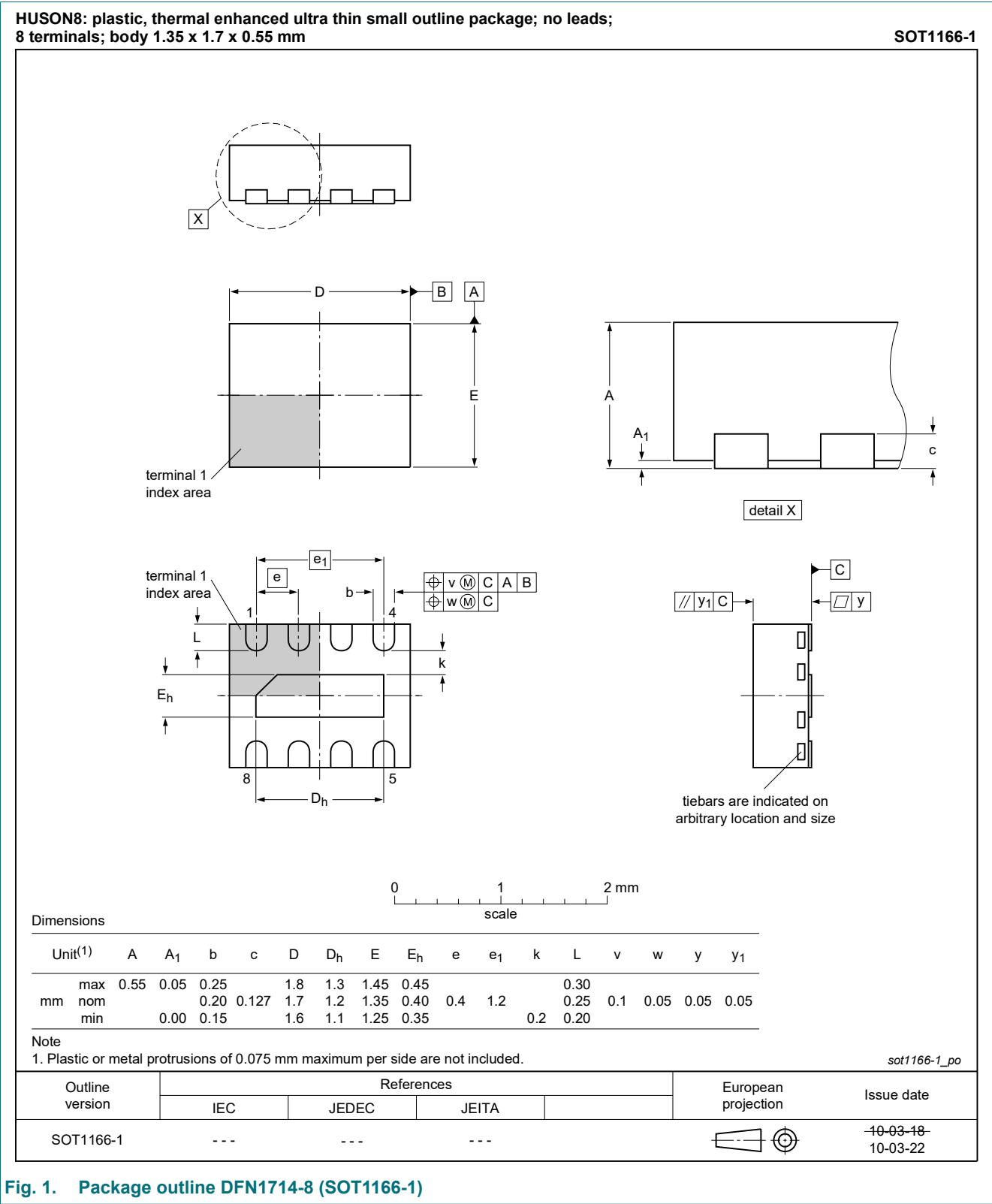


Fig. 1. Package outline DFN1714-8 (SOT1166-1)

3. Soldering

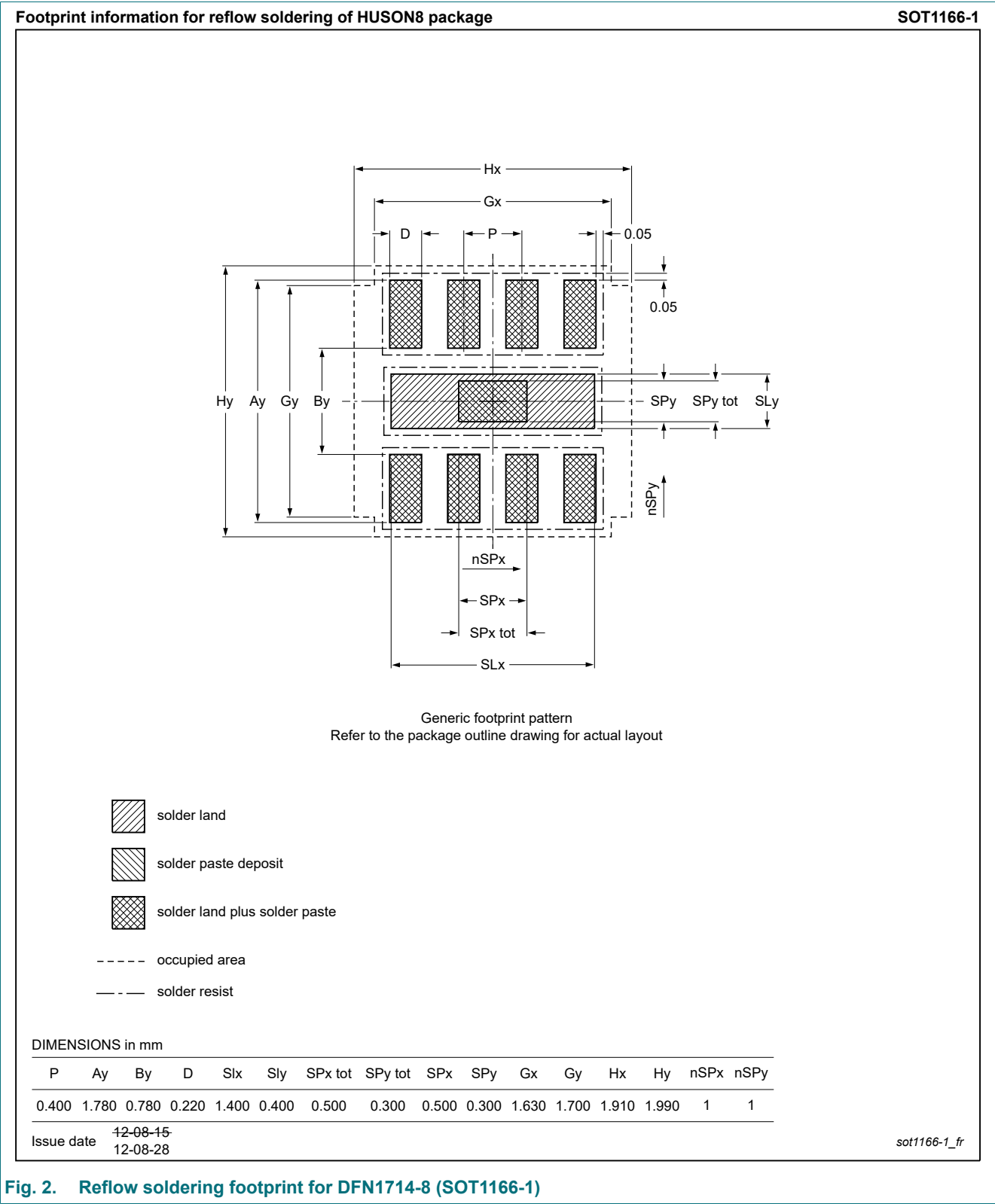


Fig. 2. Reflow soldering footprint for DFN1714-8 (SOT1166-1)

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

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