



# SOT8109-1

HWQFN16; Reel dry pack for SMD, 13"; Q1/T1 product orientation

Rev. 1 — 18 October 2024

Packing information

## 1. Packing method

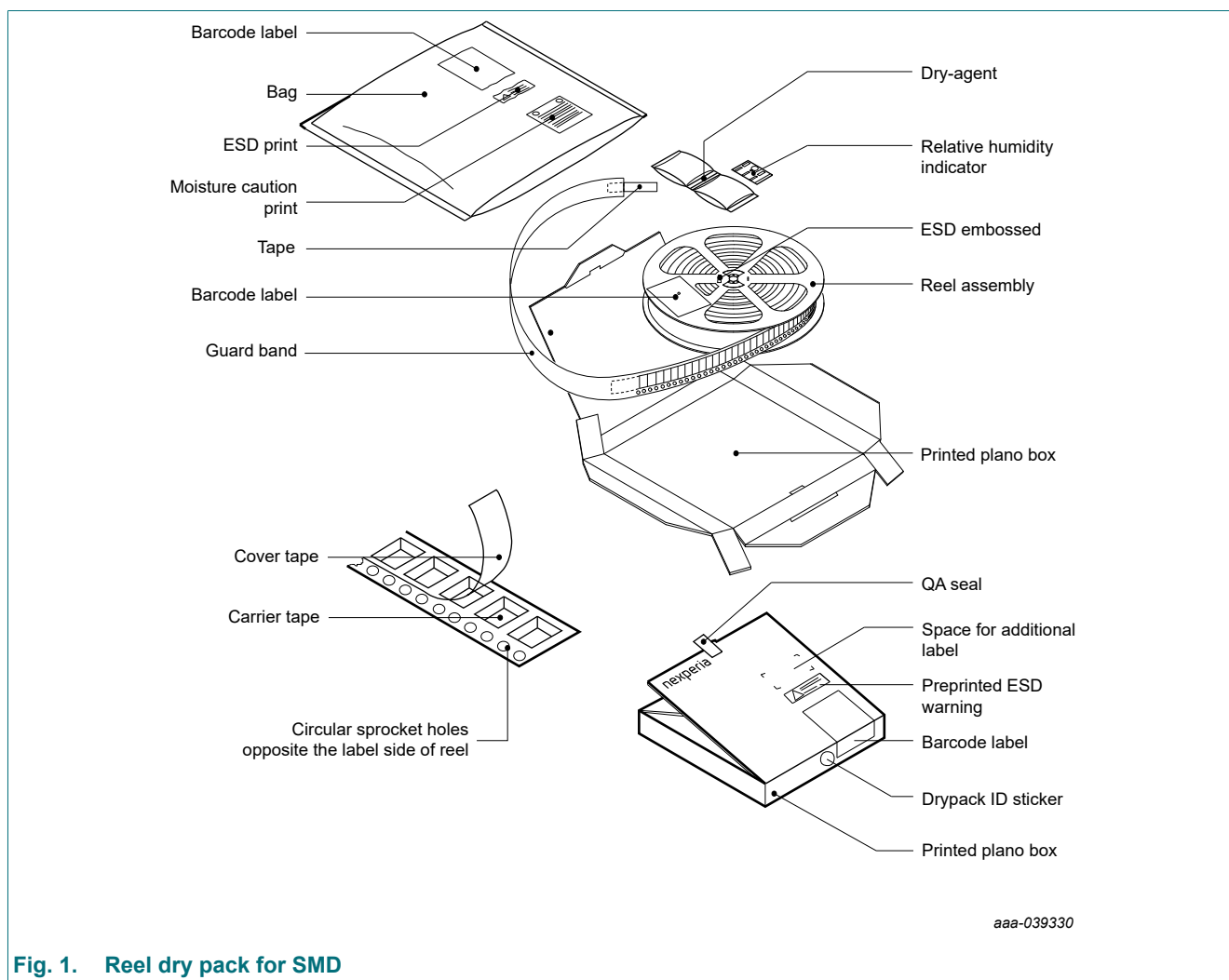


Fig. 1. Reel dry pack for SMD

Table 1. Dimensions and quantities

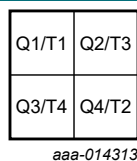
Package version	12 NC ending	Orderable part number ending	Reel dimensions d × w (mm) <sup>[1]</sup>	SPQ/PQ (pcs) <sup>[2]</sup>	Reels per box	Outer box dimensions l × w × h (mm) <sup>[3]</sup>
SOT8109-1	518	518 or Y	330 x 12	5000	1	342 x 338 x 39

[1] d = reel diameter; w = tape width.

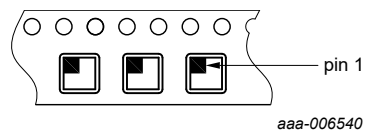
[2] Packing quantity dependent on specific product type. Please contact your local Nexperia representative for ordering.

[3] Dimensions for reference only.

## 2. Product orientation



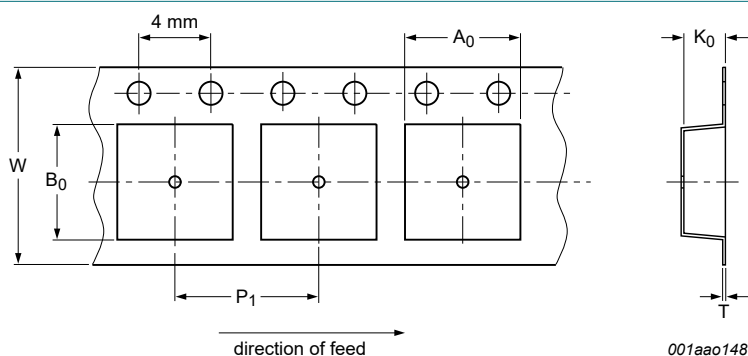
## Tape pocket quadrants



Pin 1 is in quadrant Q1/T1

**Fig. 2. Product orientation in carrier tape**

### 3. Carrier tape dimensions



Not drawn to scale

**Fig. 3. Plastic/Embossed carrier tape**

### Table 2. Carrier tape dimensions

*In accordance with IEC 60286-3*

$A_0$ (mm)	$B_0$ (mm)	$K_0$ (mm)	T (mm)	$P_1$ (mm)	W (mm)
$4.3 \pm 0.1$	$4.3 \pm 0.1$	$1.1 \pm 0.1$	$0.3 \pm 0.05$	$8.0 \pm 0.1$	$12 \pm 0.1$

4. Reel dimensions

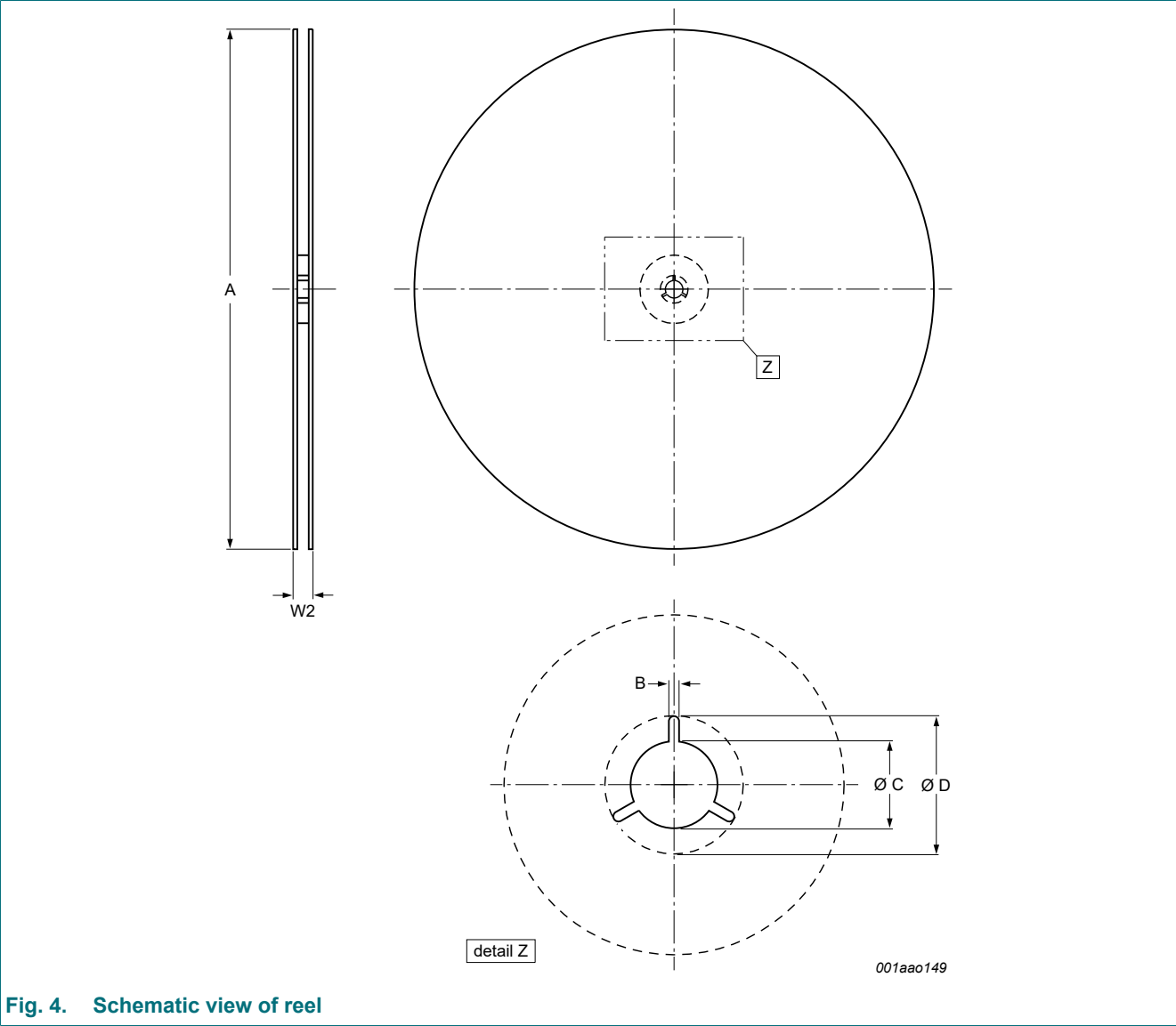


Table 3. Reel dimensions

In accordance with IEC 60286-3

A [nom] (mm)	W2 [max] (mm)	B [min] (mm)	C [min] (mm)	D [min] (mm)
330	18.4	1.5	12.8	20.2

5. Barcode label

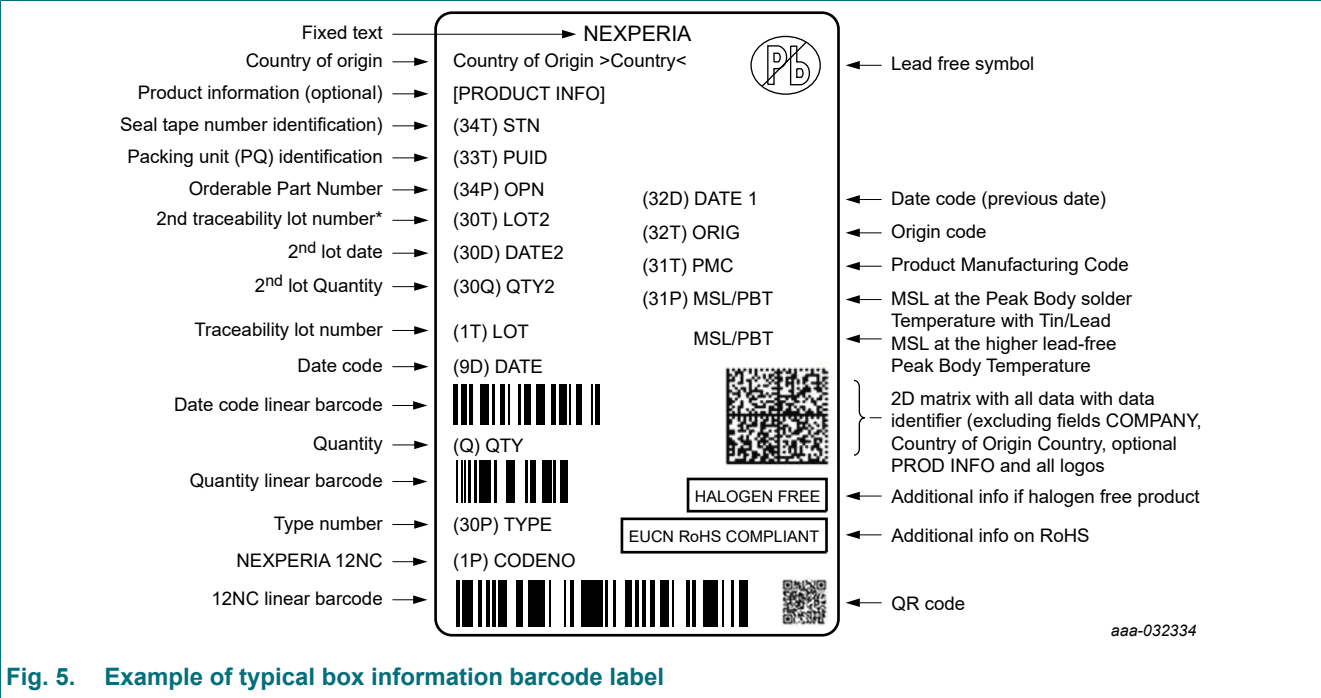


Fig. 5. Example of typical box information barcode label

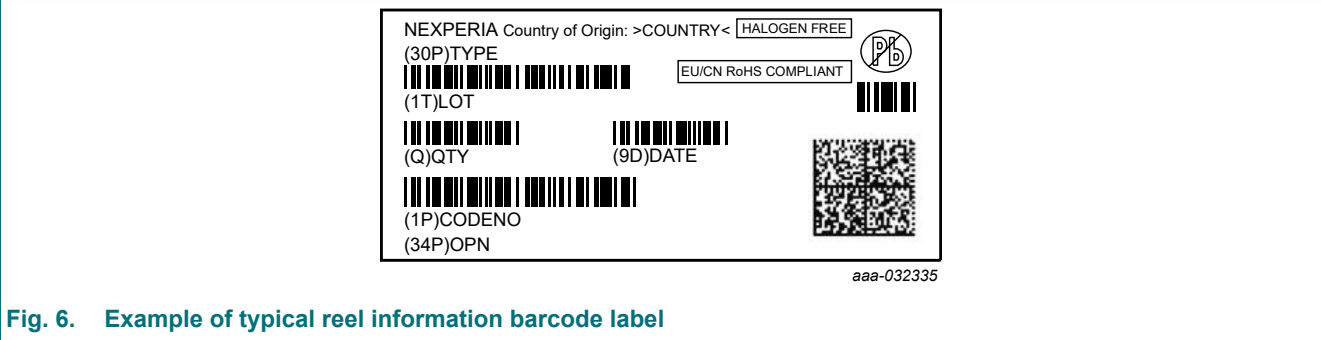


Fig. 6. Example of typical reel information barcode label

Table 4. Barcode label dimensions

Box barcode label l × w (mm)	Reel barcode label l × w (mm)
100 × 75	36 × 75

6. Revision history

Table 5. Revision history

Document ID	Release date	Modifications	Supersedes
SOT8109-1_518 v. 1	20241018	-	-

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