



# SOT1215

plastic, leadless thermal enhanced ultra thin small outline package with side-wettable flanks (SWF); 3 terminals; 0.75 mm pitch; 1.1 mm x 1 mm x 0.37 mm body

27 November 2019

Package information

## 1. Package summary

|  |   |
|--|---|
| <b>Terminal position code</b>                              | B (bottom)  |
| <b>Package type descriptive code</b>                       | DFN1010D-3  |
| <b>Package type industry code</b>                          | DFN1010D-3  |
| <b>Package style descriptive code</b>                      | HUSON (thermal enhanced ultra thin small outline; no leads) |
| <b>Package body material type</b>                          | P (plastic)   |
| <b>Mounting method type</b>                                | S (surface mount)   |
| <b>Number of package outline detail graphic references</b> | 0   |
| <b>Issue date</b>  | 6-3-2013  |
| <b>Manufacturer package code</b>                           | SOT1215   |
| <b>Footprint dimensions (mm)</b>                           | 1.1 x 1   |
| <b>Footprint area (mm<sup>2</sup>)</b>                     | 1.1   |

Table 1. Package summary

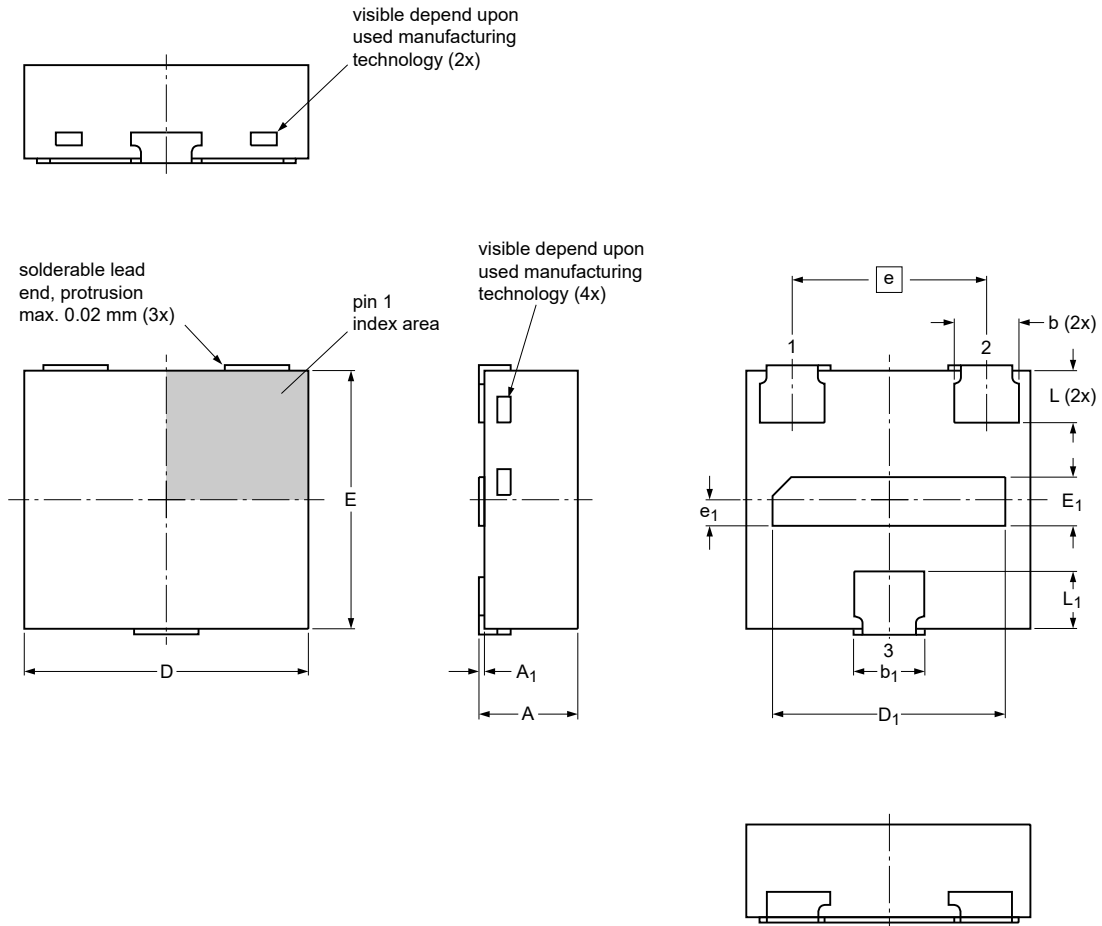
| Symbol         | Parameter                      | Min  | Typ | Nom  | Max  | Unit |
|----------------|--------------------------------|------|-----|------|------|------|
| D              | package length                 | 1.05 | -   | 1.1  | 1.15 | mm   |
| E              | package width                  | 0.95 | -   | 1    | 1.05 | mm   |
| A              | seated height                  | 0.34 | -   | 0.37 | 0.4  | mm   |
| e              | nominal pitch                  | -    | -   | 0.75 | -    | mm   |
| n <sub>2</sub> | actual quantity of termination | -    | -   | 3    | -    |      |

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## 2. Package outline

DFN1010D-3: plastic thermal enhanced ultra thin small outline package; no leads; 3 terminals; body: 1.1 x 1.0 x 0.37 mm

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Dimensions (mm are the original dimensions)

| Unit | A        | A <sub>1</sub> | b    | b <sub>1</sub> | D    | D <sub>1</sub> | E    | E <sub>1</sub> | e    | e <sub>1</sub> | L    | L <sub>1</sub> |
|------|----------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|
| mm   | min 0.34 |                | 0.22 | 0.245          | 1.05 | 0.87           | 0.95 | 0.16           |      |                | 0.17 | 0.195          |
|      | nom 0.37 |                | 0.25 | 0.275          | 1.10 | 0.90           | 1.00 | 0.19           | 0.75 | 0.1            | 0.20 | 0.225          |
|      | max 0.40 | 0.04           | 0.30 | 0.325          | 1.15 | 0.95           | 1.05 | 0.24           |      |                | 0.25 | 0.275          |

Note

1. Dimension A is including plating thickness.

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| Outline version | References |       |       | European projection | Issue date           |
|-----------------|------------|-------|-------|---------------------|----------------------|
|                 | IEC        | JEDEC | JEITA |                     |                      |
| SOT1215         |            |       |       |                     | 13-03-05<br>13-03-06 |

Fig. 1. Package outline DFN1010D-3 (SOT1215)

plastic, leadless thermal enhanced ultra thin small outline package with side-wettable flanks (SWF); 3 terminals; 0.75 mm pitch; 1.1 mm x 1 mm x 0.37 mm body

### 3. Soldering

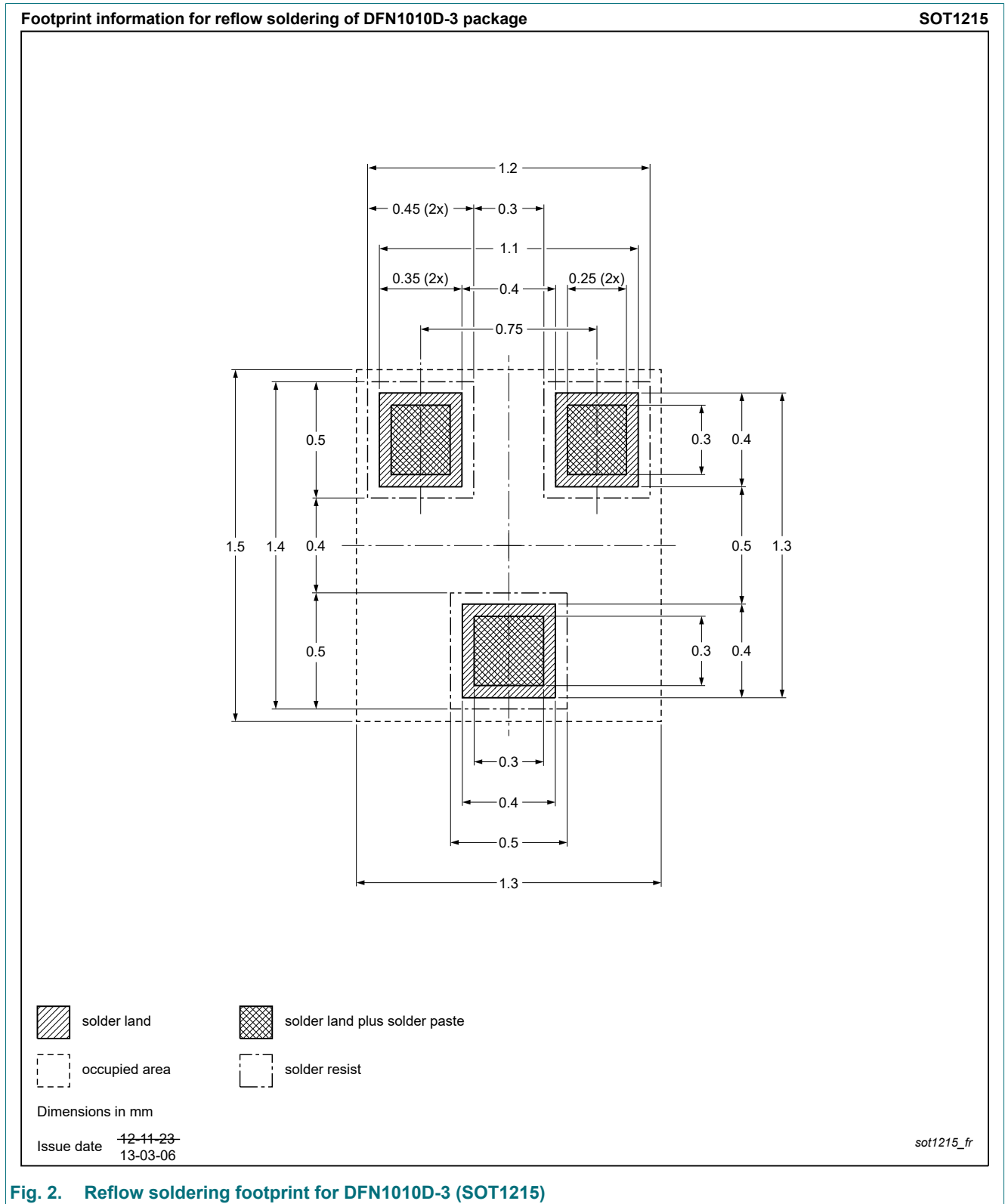


Fig. 2. Reflow soldering footprint for DFN1010D-3 (SOT1215)

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For more information, please visit: <http://www.nexperia.com>

For sales office addresses, please send an email to: [salesaddresses@nexperia.com](mailto:salesaddresses@nexperia.com)

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