



**Please note that Cypress is an Infineon Technologies Company.**

The document following this cover page is marked as “Cypress” document as this is the company that originally developed the product. Please note that Infineon will continue to offer the product to new and existing customers as part of the Infineon product portfolio.

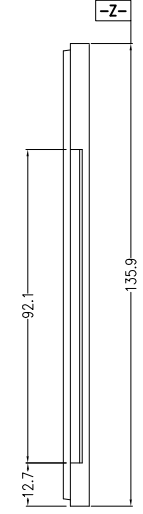
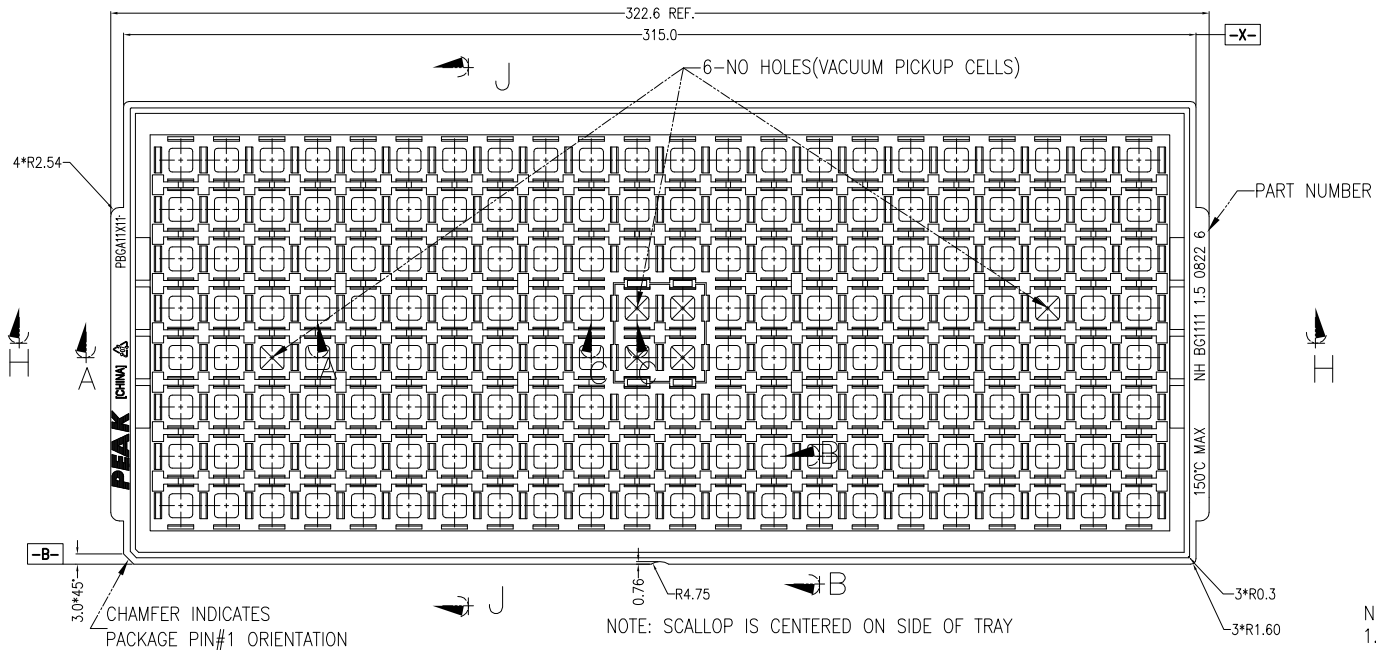
**Continuity of document content**

The fact that Infineon offers the following product as part of the Infineon product portfolio does not lead to any changes to this document. Future revisions will occur when appropriate, and any changes will be set out on the document history page.

**Continuity of ordering part numbers**

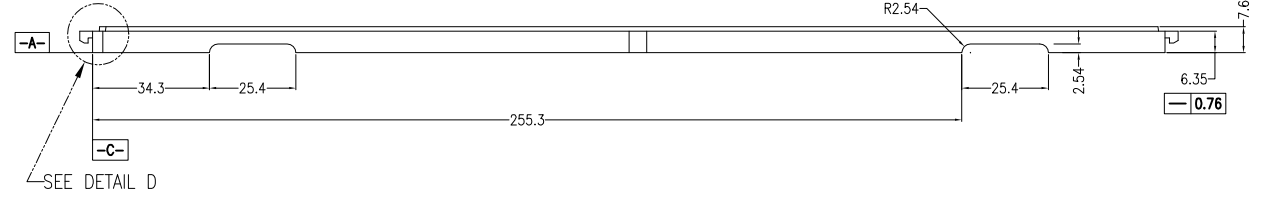
Infineon continues to support existing part numbers. Please continue to use the ordering part numbers listed in the datasheet for ordering.

| REVISIONS |      |     |         |   |          |          |
|-----------|------|-----|---------|---|----------|----------|
| PAGE      | ZONE | REV | ECN     | DESCRIPTION   | DATE     | APPROVED |
| 1         | -    | **  | 63964   | NEW RELEASE   | 08/30/99 |          |
| 1         | -    | *A  | 215441  | Change title from 100 FBGA TRAY 11X11X1.5MM to Tray,BGA100 (11X11X1.5MM), change p/n from NHBG11111.5 to NHBG11111.5-*, added table for black and red p/n | 04/01/04 |          |
| ALL       | -    | *B  | 3260353 | UPDATED DRAWING BASED ON SUPPLIER'S LATEST DRAWING REVISION<br>CHANGE DRAWING TEMPLATE  | 05/27/11 | QAD/KGL  |
| ALL       | -    | *C  | 4555880 | SUNSET REVIEW. NO CHANGE.   | 10/31/14 | QAD/UYO  |



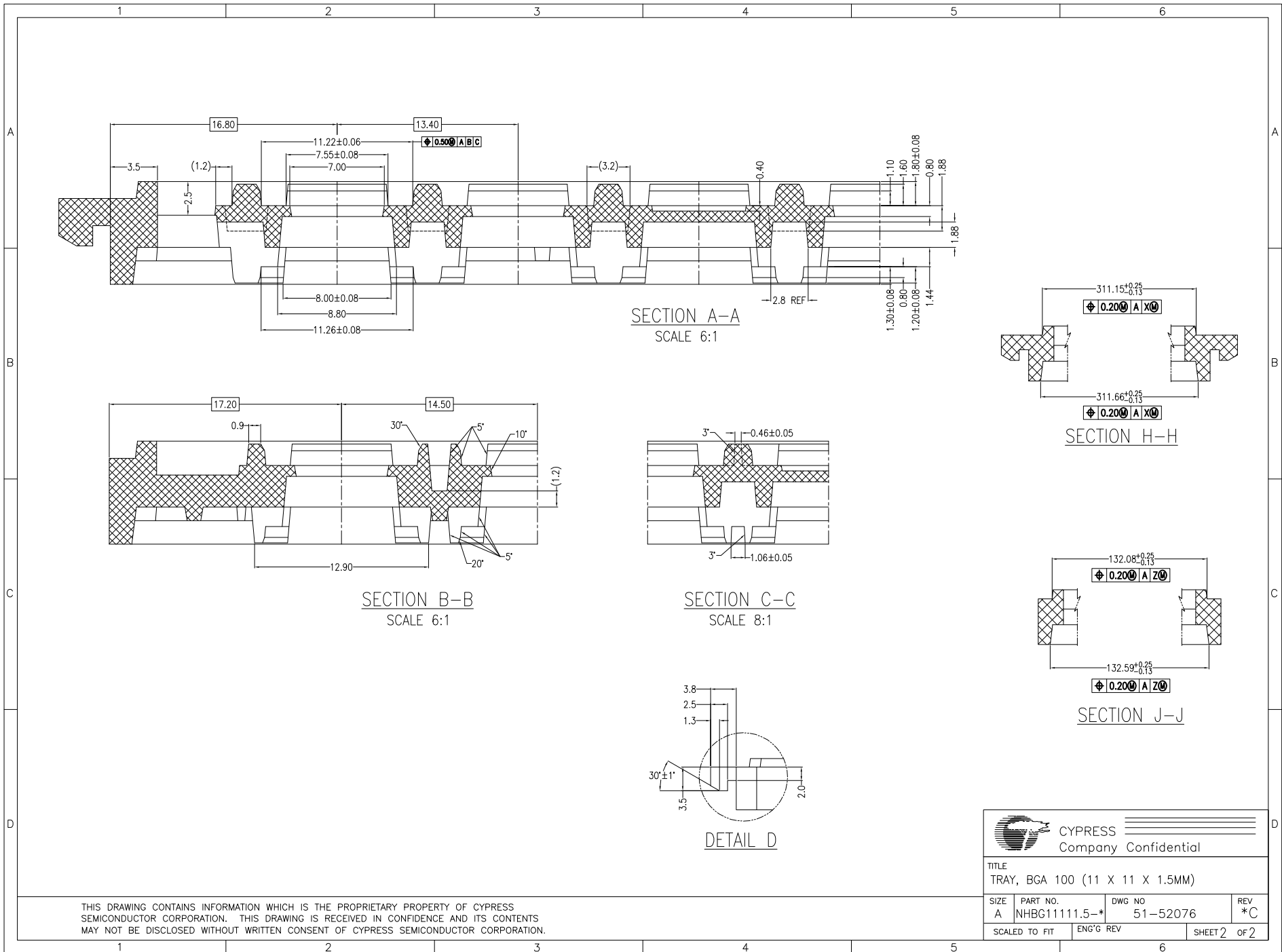
- NOTES:
1. MATERIAL - PP6.
  2. ALL DIMENSIONS ARE IN MILLIMETERS.
  3. TOLERANCES - X.X = ±0.25  
- X.XX = ±0.13  
UNLESS OTHERWISE SPECIFIED.  
DRAFT ANGLES FOR REFERENCE.
  4. ESD - SURFACE RESISTIVITY  
- 10<sup>9</sup> TO 10<sup>11</sup> OHMS/SQ.
  5. FOR PACKAGE - PBGA11X11
  6. SUPPLIER PART NO. : NH BG1111 1.5 0822 6
  7. DATE CODE AT TRAY BOTTOM SIDE.

|               |       |
|---------------|-------|
| NHBG11111.5-B | BLACK |
| NHBG11111.5-R | RED   |



|   |             |             |  |              |     |
|---|-------------|-------------|--|--------------|-----|
| UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS ARE IN MILLIMETERS<br>STANDARD TOLERANCES ON:<br>DECIMALS .X ± 0.25 .XX ± 0.13 .XXX ±<br>ANGLES ± 0.5° | DESIGNED BY | DATE        | <b>CYPRESS</b><br>Company Confidential |              |     |
|   | DRAWN BY    | DATE        |  |              |     |
|   | CHECKED BY  | DATE        |  |              |     |
|   | APPROVED BY | DATE        |  |              |     |
| MATERIAL  | SEE NOTES   | APPROVED BY | DATE                                   |              |     |
| FINISH  |             | APPROVED BY | DATE                                   |              |     |
| TITLE   |             | SIZE        | PART NO.                               | DWG NO       | REV |
| TRAY, BGA 100 (11 X 11 X 1.5MM)   |             | A           | NHBG11111.5-*                          | 51-52076     | *C  |
| SCALED TO FIT   |             | ENG'G REV   |  | SHEET 1 OF 2 |     |

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SECTION A-A  
SCALE 6:1


SECTION B-B  
SCALE 6:1

SECTION C-C  
SCALE 8:1

SECTION H-H

SECTION J-J

DETAIL D

|  |               |           |              |
|--|---------------|-----------|--------------|
|  <b>CYPRESS</b><br>Company Confidential |               |           |              |
| TITLE<br>TRAY, BGA 100 (11 X 11 X 1.5MM)   |               |           |              |
| SIZE   | PART NO.      | DWG NO.   | REV          |
| A  | NHBG11111.5-* | 51-52076  | *C           |
| SCALED TO FIT  |               | ENG'G REV | SHEET 2 OF 2 |

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