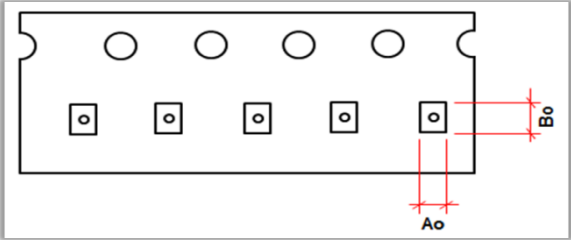


| <b>Title of Change:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Change in Carrier Tape Pocket Width (Ao) Dimension for WLCSP8 (0.83x0.65) PTIC Devices manufactured at SSMP Tarlac.                                                                           |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------|------------------|------------------|------|---|--------|--------|------|---|--------|--------|------|----|---------|---------|------|----|---------|---------|------|
| <b>Effective date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 September 2015                                                                                                                                                                              |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <b>Contact information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <Rowena.Naigar@onsemi.com><Hiroshi2.Kobayashi@onsemi.com><br><Dennis.Balignasay@onsemi.com>                                                                                                   |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <b>Type of notification:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ON Semiconductor will consider this change accepted.                                                                                                                                          |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <b>Change category:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other <u>Tape and Reel Change</u> |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <b>Change Sub-Category(s):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                               |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <input type="checkbox"/> Manufacturing Site Change/Addition                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> Material Change                                                                                                                                                      | <input type="checkbox"/> Datasheet/Product Doc change                                         |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <input type="checkbox"/> Manufacturing Process Change                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> Product specific change                                                                                                                                              | <input checked="" type="checkbox"/> Shipping/Packaging/Marking                                |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                               | <input type="checkbox"/> Other: _____                                                         |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <b>Sites Affected:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                               |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <input type="checkbox"/> All site(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> not applicable                                                                                                                                                       | <input checked="" type="checkbox"/> ON Semiconductor site(s) :<br>ON Tarlac City, Philippines | <input type="checkbox"/> External Foundry/Subcon site(s) |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <b>Description and Purpose:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                               |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| Change in carrier tape pocket width dimension to minimize device movement in the carrier tape pocket. Affected products are WLCSP8 (0.83x0.65) PTIC Devices with tape and reel operation at SSMP Tarlac.                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                               |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Parameter</th> <th>Old Carrier Tape</th> <th>New Carrier Tape</th> <th>Diff</th> </tr> </thead> <tbody> <tr> <td>W</td> <td>8.0 mm</td> <td>8.0 mm</td> <td>none</td> </tr> <tr> <td>T</td> <td>0.2 mm</td> <td>0.2 mm</td> <td>none</td> </tr> <tr> <td>Ao</td> <td>0.81 mm</td> <td>0.78 mm</td> <td>0.03</td> </tr> <tr> <td>Bo</td> <td>0.96 mm</td> <td>0.96 mm</td> <td>none</td> </tr> </tbody> </table> |                                                                                                                                                                                               |                                                                                               |                                                          | Parameter | Old Carrier Tape | New Carrier Tape | Diff | W | 8.0 mm | 8.0 mm | none | T | 0.2 mm | 0.2 mm | none | Ao | 0.81 mm | 0.78 mm | 0.03 | Bo | 0.96 mm | 0.96 mm | none |
| Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Old Carrier Tape                                                                                                                                                                              | New Carrier Tape                                                                              | Diff                                                     |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8.0 mm                                                                                                                                                                                        | 8.0 mm                                                                                        | none                                                     |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.2 mm                                                                                                                                                                                        | 0.2 mm                                                                                        | none                                                     |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| Ao                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.81 mm                                                                                                                                                                                       | 0.78 mm                                                                                       | 0.03                                                     |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| Bo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.96 mm                                                                                                                                                                                       | 0.96 mm                                                                                       | none                                                     |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                               |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| <b>List of Affected Standard Parts:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                               |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |
| TCP-3112H-DT<br>TCP-3127H-DT<br>TCP-3133H-DT<br>TCP-4012UB-DT<br>TCP-4018UB-DT<br>TCP-4027UB-DT                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                               |                                                                                               |                                                          |           |                  |                  |      |   |        |        |      |   |        |        |      |    |         |         |      |    |         |         |      |