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**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16889**

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**Issue Date:** 27-Jul-2012

**TITLE:** Hot wafer sort introduction for ATIC80 (SHIA) bare die

**PROPOSED FIRST SHIP DATE:** 27-Oct-2012 or upon approval of the Final PCN

**AFFECTED CHANGE CATEGORY(S):** Wafer sort insertions

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office, your customer quality interface ([Veronique.Hooft@onsemi.com](mailto:Veronique.Hooft@onsemi.com)) or Xavier Van Esch ([xavier.vanesch@onsemi.com](mailto:xavier.vanesch@onsemi.com))

**NOTIFICATION TYPE:**

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact [<quality@onsemi.com>](mailto:quality@onsemi.com).

**DESCRIPTION AND PURPOSE:**

This is to inform customers of the introduction of hot wafer sort (WS2) for ATIC80 (SHIA) bare die versions on uFlex platform to improve the product quality.

This hot wafer sort introduction is combined with the release of ambient wafer sort (WS1) on the uFlex test platform, current test platform is SZ.

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16889****ELECTRICAL CHARACTERISTIC SUMMARY:**

See qualification reports for electrical characterisation data:

*"FPCN16889\_SHIA\_C4\_Sort\_Conversion\_Report -- SZ\_UFLEX-Analog.pdf"*

*"FPCN16889\_SHIA\_C6\_Sort\_Conversion\_Report -- SZ\_UFLEX-Analog.pdf"*

Conclusion:

*Correlation is OK at ambient temperature*

*Rejects have been correlated at ambient temperature and binnings do match.*

*Schmoo plots have been provided and are OK.*

*CPK data is OK at hot temperature.*

ATIC80 A2C00053712 / 0SHIA-006-XDS / 0SHIA-009-XDS can be released for (hot) wafer sort on Micro FLEX.

ATIC80 A2C00053742 / 0SHIA-007-XDS / 0SHIA-010-XDS can be released for (hot) wafer sort on Micro FLEX.

**CHANGED PART IDENTIFICATION:**

| Continental part number | ON Semi part number |
|-------------------------|---------------------|
| ATIC80 A2C00053712      | 0SHIA-006-XDS       |
| ATIC80 A2C00053712      | 0SHIA-009-XDS       |
| ATIC80 A2C00053742      | 0SHIA-007-XDS       |
| ATIC80 A2C00053742      | 0SHIA-010-XDS       |