



## Product Change Notification

**Product Change Notification Number: SC131801**

**Notification Date:** May 10, 2013

**Title:** SmartPower Devices – Convert MSL3 to MSL1 for QFN Packages Manufactured at ASE Chung-Li, Taiwan (ASECL).

### Product Identification:

| Part Number    | Package Type |
|----------------|--------------|
| MSL3162BT      | QFN6X6-40L   |
| MSL3162BT-R    | QFN6X6-40L   |
| MSL3162BT-ET1  | QFN6X6-40L   |
| MSL3162BT-ET1R | QFN6X6-40L   |
| MSL3164BT      | QFN6X6-40L   |
| MSL3164BT-R    | QFN6X6-40L   |
| MSL4164BT      | QFN6X6-40L   |
| MSL4164BT-R    | QFN6X6-40L   |
| MSL2100BR      | QFN6X6-48L   |
| MSL2100BR-R    | QFN6X6-48L   |
| MSL2160DQ      | QFN9X9-64L   |
| MSL2160DQ-R    | QFN9X9-64L   |
| MSL2160DQ-TS1  | QFN9X9-64L   |
| MSL2160DQ-TS1R | QFN9X9-64L   |
| MSL2164-DU     | QFN9X9-64L   |
| MSL2164-DUR    | QFN9X9-64L   |
| MSL2166-DU     | QFN9X9-64L   |
| MSL2166-DUR    | QFN9X9-64L   |

### Reason for Change:

☒ Material / Composition  
☐ Processing / Manufacturing

☐ Design / Firmware  
☐ Logistics

☒ Manufacturing Location  
☐ Quality / Reliability

### Change Description:

Applies to SmartPower QFN packages manufactured by ASE Chung-Li, Taiwan (ASECL).  
Replace Hitachi CEL-9240 with Sumitomo EME-G700 mold compound and re-classify as MSL1.

### Identification Method to Distinguish Change:

Date Code and Lot Number. MSL1 devices do not require dry packing.

### Qualification Data:

☒ Available

☐ Will be available (mm/dd/yr):

☐ Not Applicable

### Samples:

☒ Available

☐ Will be available (mm/dd/yr):

☐ Not Applicable

### Quantifiable Impact on Quality & Reliability:

No Impact.

**Proposed First Ship Date\*:** August 9, 2013

*\*The Proposed First Ship Date is the forecasted date that a customer may expect to receive changed product. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, Atmel will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.*

**Atmel Contact:** Please contact your Atmel Sales Representative or Distributor for additional information (when replying via e-mail please include PCN number in subject line).

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