



# Product Change Notification

**Change Notification #:** 114074 - 00  
**Change Title:** 6th Generation Intel® Core™ i7 & i5 Desktop and Intel® Xeon® E3-1200 v5 Family Processors, PCN 114074-00, Product Design, S-Spec and MM Number Change  
**Date of Publication:** October 1, 2015

## Key Characteristics of the Change:

Product Design

## Forecasted Key Milestones:

|   |                   |
|---|-------------------|
| <b>Date of First Availability of Post-Conversion Material:</b>          | October 26, 2015  |
| <b>Date Customer Must be Ready to Receive Post-Conversion Material:</b> | November 30, 2015 |

*The date of "First Availability of Post-Conversion Material" is the projected date that a customer may expect to receive the Post-Conversion Materials. This date is determined by the projected depletion of inventory at the time of the PCN publication. The depletion of inventory may be impacted by fluctuating supply and demand, therefore, although customers should be prepared to receive the Post-Converted Materials on this date, Intel will continue to ship and customers may continue to receive the pre-converted materials until the inventory has been depleted.*

## Description of Change to the Customer:

Intel is initiating new S-Spec and MM numbers for 6th Generation Intel® Core™ i7 & i5 desktop and the Intel® Xeon® E3-1200 v5 family processors for a minor manufacturing configuration change to allow customers to enable Intel® Software Guard Extensions (Intel® SGX) when using these processors.

- The stepping will not change for these processors; it remains R-0.
- The CPUID Processor Signature will not change for these processors; it remains 0x506E3.
- Die size and package will not change for these processors.

## Customer Impact of Change and Recommended Action:

Intel anticipates no changes to customer platforms designed to Intel guidelines. Intel does not expect any re-qualification and/or validation for this S-Spec and MM number change because there is no stepping or CPUID Processor Signature change and there is no required change to BIOS. Therefore, no samples are needed to facilitate this S-Spec and MM number change.

### Products Affected / Intel Ordering Codes:

| Pre-Conversion               |             |           |                 |        |        | Post-Conversion |        |        |
|------------------------------|-------------|-----------|-----------------|--------|--------|-----------------|--------|--------|
| Marketing Name               | Processor#  | Frequency | Product Code    | S-Spec | MM#    | Product Code    | S-Spec | MM#    |
| Intel® Core™ Processor       | i7-6700K    | 4.0 GHz   | CM8066201919901 | SR2BR  | 943463 | CM8066201919901 | SR2L0  | 947200 |
| Intel® Core™ Processor       | i5-6400T    | 2.2 GHz   | CM8066201920000 | SR2BS  | 943464 | CM8066201920000 | SR2L1  | 947201 |
| Intel® Core™ Processor       | i7-6700     | 3.4 GHz   | CM8066201920103 | SR2BT  | 943465 | CM8066201920103 | SR2L2  | 947202 |
| Intel® Core™ Processor       | i7-6700T    | 2.8 GHz   | CM8066201920202 | SR2BU  | 943466 | CM8066201920202 | SR2L3  | 947203 |
| Intel® Core™ Processor       | i5-6600K    | 3.5 GHz   | CM8066201920300 | SR2BV  | 943467 | CM8066201920300 | SR2L4  | 947204 |
| Intel® Core™ Processor       | i5-6600     | 3.3 GHz   | CM8066201920401 | SR2BW  | 943468 | CM8066201920401 | SR2L5  | 947205 |
| Intel® Core™ Processor       | i5-6500     | 3.2 GHz   | CM8066201920404 | SR2BX  | 943469 | CM8066201920404 | SR2L6  | 947206 |
| Intel® Core™ Processor       | i5-6400     | 2.7 GHz   | CM8066201920506 | SR2BY  | 943470 | CM8066201920506 | SR2L7  | 947207 |
| Intel® Core™ Processor       | i5-6500T    | 2.5 GHz   | CM8066201920600 | SR2BZ  | 943471 | CM8066201920600 | SR2L8  | 947208 |
| Intel® Core™ Processor       | i5-6600T    | 2.7 GHz   | CM8066201920601 | SR2C0  | 943472 | CM8066201920601 | SR2L9  | 947209 |
| Intel® Xeon® Processor       | E3-1280 v5  | 3.7 GHz   | CM8066201921607 | SR2CL  | 943544 | CM8066201921607 | SR2LC  | 947224 |
| Intel® Xeon® Processor       | E3-1240 v5  | 3.5 GHz   | CM8066201921715 | SR2CM  | 943545 | CM8066201921715 | SR2LD  | 947225 |
| Intel® Xeon® Processor       | E3-1230 v5  | 3.4 GHz   | CM8066201921713 | SR2CN  | 943546 | CM8066201921713 | SR2LE  | 947228 |
| Intel® Xeon® Processor       | E3-1270 v5  | 3.6 GHz   | CM8066201921712 | SR2CP  | 943547 | CM8066201921712 | SR2LF  | 947229 |
| Intel® Xeon® Processor       | E3-1220 v5  | 3.0 GHz   | CM8066201921804 | SR2CQ  | 943548 | CM8066201921804 | SR2LG  | 947230 |
| Intel® Xeon® Processor       | E3-1260L v5 | 2.9 GHz   | CM8066201921903 | SR2CR  | 943549 | CM8066201921903 | SR2LH  | 947234 |
| Intel® Xeon® Processor       | E3-1225 v5  | 3.3 GHz   | CM8066201922605 | SR2CS  | 943550 | CM8066201922605 | SR2LJ  | 947247 |
| Intel® Xeon® Processor       | E3-1275 v5  | 3.6 GHz   | CM8066201934909 | SR2CT  | 943551 | CM8066201934909 | SR2LK  | 947248 |
| Intel® Xeon® Processor       | E3-1245 v5  | 3.5 GHz   | CM8066201934913 | SR2CU  | 943552 | CM8066201934913 | SR2LL  | 947249 |
| Intel® Xeon® Processor       | E3-1235L v5 | 2.0 GHz   | CM8066201935807 | SR2CV  | 943553 | CM8066201935807 | SR2LM  | 947250 |
| Intel® Xeon® Processor       | E3-1240L v5 | 2.1 GHz   | CM8066201935808 | SR2CW  | 943554 | CM8066201935808 | SR2LN  | 947252 |
| Boxed Intel® Core™ Processor | i7-6700K    | 4.0 GHz   | BX80662I76700K  | SR2BR  | 944458 | BX80662I76700K  | S R2L0 | 947558 |
| Boxed Intel® Core™ Processor | i7-6700     | 3.4 GHz   | BX80662I76700   | SR2BT  | 944459 | BX80662I76700   | SR2L2  | 947559 |
| Boxed Intel® Core™ Processor | i5-6600K    | 3.5 GHz   | BX80662I56600K  | SR2BV  | 944460 | BX80662I56600K  | SR2L4  | 947560 |
| Boxed Intel® Core™ Processor | i5-6600     | 3.3 GHz   | BX80662I56600   | SR2BW  | 944461 | BX80662I56600   | SR2L5  | 947561 |
| Boxed Intel® Core™ Processor | i5-6500     | 3.2 GHz   | BX80662I56500   | SR2BX  | 944462 | BX80662I56500   | SR2L6  | 947562 |
| Boxed Intel® Core™ Processor | i5-6400     | 2.7 GHz   | BX80662I56400   | SR2BY  | 944464 | BX80662I56400   | SR2L7  | 947563 |
| Boxed Intel® Core™ Processor | i7-6700K    | 4.0 GHz   | BXC80662I76700K | SR2BR  | 944469 | BXC80662I76700K | SR2L0  | 947565 |
| Boxed Intel® Core™ Processor | i7-6700     | 3.4 GHz   | BXC80662I76700  | SR2BT  | 944470 | BXC80662I76700  | SR2L2  | 947566 |
| Boxed Intel® Core™ Processor | i5-6600K    | 3.5 GHz   | BXC80662I56600K | SR2BV  | 944472 | BXC80662I56600K | SR2L4  | 947567 |

| Pre-Conversion               |            |           |                 |        |        | Post-Conversion |        |        |
|------------------------------|------------|-----------|-----------------|--------|--------|-----------------|--------|--------|
| Marketing Name               | Processor# | Frequency | Product Code    | S-Spec | MM#    | Product Code    | S-Spec | MM#    |
| Boxed Intel® Core™ Processor | i5-6600    | 3.3 GHz   | BXC80662I56600  | SR2BW  | 944473 | BXC80662I56600  | SR2L5  | 947568 |
| Boxed Intel® Core™ Processor | i5-6500    | 3.2 GHz   | BXC80662I56500  | SR2BX  | 944474 | BXC80662I56500  | SR2L6  | 947569 |
| Boxed Intel® Core™ Processor | i5-6400    | 2.7 GHz   | BXC80662I56400  | SR2BY  | 944475 | BXC80662I56400  | SR2L7  | 947570 |
| Boxed Intel® Xeon® Processor | E3-1240 v5 | 3.5 GHz   | BX80662E31240V5 | SR2CM  | 944496 | BX80662E31240V5 | SR2LD  | 947516 |
| Boxed Intel® Xeon® Processor | E3-1230 v5 | 3.4 GHz   | BX80662E31230V5 | SR2CN  | 944497 | BX80662E31230V5 | SR2LE  | 947517 |
| Boxed Intel® Xeon® Processor | E3-1270 v5 | 3.6 GHz   | BX80662E31270V5 | SR2CP  | 944498 | BX80662E31270V5 | SR2LF  | 947518 |
| Boxed Intel® Xeon® Processor | E3-1275 v5 | 3.6 GHz   | BX80662E31275V5 | SR2CT  | 944499 | BX80662E31275V5 | SR2LK  | 947522 |
| Boxed Intel® Xeon® Processor | E3-1245 v5 | 3.5 GHz   | BX80662E31245V5 | SR2CU  | 944500 | BX80662E31245V5 | SR2LL  | 947523 |
| Boxed Intel® Xeon® Processor | E3-1220 v5 | 3.0 GHz   | BX80662E31220V5 | SR2CQ  | 944506 | BX80662E31220V5 | SR2LG  | 947519 |
| Boxed Intel® Xeon® Processor | E3-1225 v5 | 3.3 GHz   | BX80662E31225V5 | SR2CS  | 944507 | BX80662E31225V5 | SR2LJ  | 947521 |

**PCN Revision History:**

**Date of Revision:**

October 1, 2015

**Revision Number:**

00

**Reason:**

Originally Published PCN



# Product Change Notification

## 114074 - 00

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