



Product Change Notification

#111655 - 00

Information in this document is provided in connection with Intel® products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, lifesaving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

Should you have any issues with the timeline or content of this change, please contact the Intel Representative(s) for your geographic location listed below. No response from customers will be deemed as acceptance of the change and the change will be implemented pursuant to the key milestones set forth in this attached PCN.

Americas Contact: asmo.pcn@intel.com

Asia Pacific/PRC Contact: apacgccb@intel.com

Europe Email: eccb@intel.com

Japan Email: jccb.ijkk@intel.com

Copyright © Intel Corporation 2012. Other names and brands may be claimed as the property of others.

BunnyPeople, Celeron, Celeron Inside, Centrino, Centrino Inside, Cilk, Core Inside, i960, Intel, the Intel logo, Intel AppUp, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Insider, the Intel Inside logo, Intel NetBurst, Intel NetMerge, Intel NetStructure, Intel SingleDriver, Intel SpeedStep, Intel Sponsors of Tomorrow, the Intel Sponsors of Tomorrow logo, Intel StrataFlash, Intel vPro, Intel XScale, InTru, the InTru logo, the InTru Inside logo, InTru soundmark, Itanium, Itanium Inside, MCS, MMX, Moblin, Pentium, Pentium Inside, Puma, skool, the skool logo, Sound Mark, The Creators Project, The Journey Inside, Thunderbolt, vPro Inside, VTune, Xeon, and Xeon Inside are trademarks of Intel Corporation in the U.S. and/or other countries.

Learn how to use Intel Trademarks and Brands correctly at <http://www.intel.com/intel/legal/tmusage2.htm>.



Product Change Notification

Change Notification #: 111655 - 00
Change Title: Boxed Intel® Desktop and Server Processors Heatsink and Fan Shroud Design Changes, PCN 111655-00, Product Material
Date of Publication: August 15, 2012

Key Characteristics of the Change:

Product Material

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	September 14, 2012
---	--------------------

Description of Change to the Customer:

Customers will see visual modifications to the Thermal solution changing from the current square design to a round design. Additionally, the fan shroud will have slightly larger fastener hole dimensions. See photos below for examples.

Current Heatsink square design



New Heatsink round design



Current Fan Shroud design



New Fan Shroud design



These modifications will in no way affect the form, fit or functionality of the part. Please refer to the Products Affected/Intel Order Codes table for products.

Customer Impact of Change and Recommended Action:

These are visual changes only. There is no change to the form, fit or function of the products. No impact or action needed by customers. Customers may see a mix of products until inventory has been depleted.

Products Affected / Intel Ordering Codes:

Marketing Name	Processor#	Frequency	Product Code	S-Spec	MM#	Stepping
Boxed Intel® Xeon® Processor	X3430	2.4 GHz	BX80605X3430	S LBLJ	903841	B1
Boxed Intel® Xeon® Processor	X3440	2.533 GHz	BX80605X3440	S LBLF	903842	B1
Boxed Intel® Xeon® Processor	X3450	2.66 GHz	BX80605X3450	S LBLD	903849	B1
Boxed Intel® Xeon® Processor	X3460	2.8 GHz	BX80605X3460	S LBJK	903850	B1
Boxed Intel® Xeon® Processor	X3470	2.93 GHz	BX80605X3470	S LBJH	903851	B1
Boxed Intel® Core™ Processor	i7-870	2.93 GHz	BXC80605I7870	S LBJG	903867	B1
Boxed Intel® Core™ Processor	i7-860	2.8 GHz	BXC80605I7860	S LBJJ	903868	B1
Boxed Intel® Core™ Processor	i7-870	2.93 GHz	BX80605I7870	S LBJG	903875	B1
Boxed Intel® Core™ Processor	i7-860	2.8 GHz	BX80605I7860	S LBJJ	903876	B1
Boxed Intel® Xeon® Processor	L3426	1.866 GHz	BX80605L3426	S LBN3	904689	B1
Boxed Intel® Core™ Processor	i5-670	3.46 GHz	BX80616I5670	S LBLT	904856	C2
Boxed Intel® Core™ Processor	i5-670	3.46 GHz	BXC80616I5670	S LBLT	904862	C2
Boxed Intel® Xeon® Processor	L3406	2.26 GHz	BX80616L3406	S LBQQ	905773	C2
Boxed Intel® Xeon® Processor	X3480	3.066 GHz	BX80605X3480	S LBPT	907883	B1
Boxed Intel® Core™ Processor	i3-550	3.2 GHz	BX80616I3550	S LBUD	908035	K0
Boxed Intel® Core™ Processor	i5-680	3.6 GHz	BX80616I5680	S LBTM	908036	K0
Boxed Intel® Core™ Processor	i3-550	3.2 GHz	BXC80616I3550	S LBUD	908038	K0
Boxed Intel® Core™ Processor	i5-680	3.6 GHz	BXC80616I5680	S LBTM	908108	K0
Boxed Intel® Pentium® Processor	G6951	2.8 GHz	BX80616G6951	S LBTF	908493	K0
Boxed Intel® Pentium® Processor	G6950	2.8 GHz	BX80616G6950	S LBTG	908507	K0
Boxed Intel® Core™ Processor	i3-530	2.93 GHz	BX80616I3530	S LBX7	908510	K0
Boxed Intel® Core™ Processor	i3-540	3.06 GHz	BX80616I3540	S LBDT	908511	K0
Boxed Intel® Core™ Processor	i5-650	3.2 GHz	BX80616I5650	S LBTJ	908512	K0
Boxed Intel® Core™ Processor	i5-660	3.33 GHz	BX80616I5660	S LBTK	908513	K0
Boxed Intel® Core™ Processor	i5-661	3.33 GHz	BX80616I5661	S LBTB	908514	K0
Boxed Intel® Xeon® Processor	L3406	2.26 GHz	BX80616L3406	S LBT8	908516	K0
Boxed Intel® Pentium® Processor	G6950	2.8 GHz	BXC80616G6950	S LBTG	908517	K0
Boxed Intel® Core™ Processor	i3-530	2.93 GHz	BXC80616I3530	S LBX7	908518	K0
Boxed Intel® Core™ Processor	i3-540	3.06 GHz	BXC80616I3540	S LBDT	908519	K0
Boxed Intel® Core™ Processor	i5-650	3.2 GHz	BXC80616I5650	S LBTJ	908520	K0
Boxed Intel® Core™ Processor	i5-660	3.33 GHz	BXC80616I5660	S LBTK	908521	K0
Boxed Intel® Core™ Processor	i5-661	3.33 GHz	BXC80616I5661	S LBTB	908523	K0
Boxed Intel® Core™ Processor	i5-670	3.46 GHz	BXC80616I5670	S LBTL	908524	K0
Boxed Intel® Core™ Processor	i3-560	3.33 GHz	BX80616I3560	S LBY2	908873	K0
Boxed Intel® Core™ Processor	i3-560	3.33 GHz	BXC80616I3560	S LBY2	908874	K0
Boxed Intel® Core™ Processor	i5-2300	2.8 GHz	BX80623I52300	S R00D	910677	D2
Boxed Intel® Core™ Processor	i5-2400	3.1 GHz	BX80623I52400	S R00Q	910678	D2
Boxed Intel® Core™ Processor	i5-2500K	3.3 GHz	BX80623I52500K	S R008	910679	D2
Boxed Intel® Core™ Processor	i7-2600	3.4 GHz	BX80623I72600	S R00B	910680	D2
Boxed Intel® Core™ Processor	i7-2600K	3.4 GHz	BX80623I72600K	S R00C	910681	D2
Boxed Intel® Core™ Processor	i5-2300	2.8 GHz	BXC80623I52300	S R00D	910682	D2
Boxed Intel® Core™ Processor	i5-2400	3.1 GHz	BXC80623I52400	S R00Q	910684	D2
Boxed Intel® Core™ Processor	i5-2500K	3.3 GHz	BXC80623I52500K	S R008	910685	D2
Boxed Intel® Core™ Processor	i7-2600	3.4 GHz	BXC80623I72600	S R00B	910686	D2

Marketing Name	Processor#	Frequency	Product Code	S-Spec	MM#	Stepping
Boxed Intel® Core™ Processor	i7-2600K	3.4 GHz	BXC80623I72600K	S R00C	910687	D2
Boxed Intel® Core™ Processor	i5-2400S	2.5 GHz	BX80623I52400S	S R00S	910885	D2
Boxed Intel® Xeon® Processor	E3-1240	3.3 GHz	BX80623E31240	S R00K	911168	D2
Boxed Intel® Xeon® Processor	E3-1245	3.3 GHz	BX80623E31245	S R00L	911169	D2
Boxed Intel® Xeon® Processor	E3-1270	3.4 GHz	BX80623E31270	S R00N	911170	D2
Boxed Intel® Xeon® Processor	E3-1275	3.4 GHz	BX80623E31275	S R00P	911171	D2
Boxed Intel® Xeon® Processor	E3-1280	3.5 GHz	BX80623E31280	S R00R	911172	D2
Boxed Intel® Xeon® Processor	E3-1220	3.1 GHz	BX80623E31220	S R00F	911174	D2
Boxed Intel® Xeon® Processor	E3-1225	3.1 GHz	BX80623E31225	S R00G	911175	D2
Boxed Intel® Xeon® Processor	E3-1230	3.2 GHz	BX80623E31230	S R00H	911176	D2
Boxed Intel® Xeon® Processor	E3-1235	3.2 GHz	BX80623E31235	S R00J	911177	D2
Boxed Intel® Core™ Processor	i3-2120	3.3 GHz	BX80623I32120	S R05Y	911241	Q0
Boxed Intel® Core™ Processor	i3-2100	3.1 GHz	BX80623I32100	S R05C	911243	Q0
Boxed Intel® Core™ Processor	i3-2120	3.3 GHz	BXC80623I32120	S R05Y	911249	Q0
Boxed Intel® Core™ Processor	i3-2100	3.1 GHz	BXC80623I32100	S R05C	911251	Q0
Boxed Intel® Core™ Processor	i5-2500	3.3 GHz	BXC80623I52500	S R00T	911284	D2
Boxed Intel® Core™ Processor	i5-2500	3.3 GHz	BX80623I52500	S R00T	911288	D2
Boxed Intel® Pentium® Processor	G840	2.8 GHz	BX80623G840	S R05P	914110	Q0
Boxed Intel® Pentium® Processor	G850	2.9 GHz	BX80623G850	S R05Q	914111	Q0
Boxed Intel® Pentium® Processor	G620	2.6 GHz	BX80623G620	S R05R	914112	Q0
Boxed Intel® Pentium® Processor	G840	2.8 GHz	BXC80623G840	S R05P	914119	Q0
Boxed Intel® Pentium® Processor	G850	2.9 GHz	BXC80623G850	S R05Q	914121	Q0
Boxed Intel® Pentium® Processor	G620	2.6 GHz	BXC80623G620	S R05R	914123	Q0
Boxed Intel® Core™ Processor	i5-2405S	2.5 GHz	BX80623I52405S	S R0BB	914621	D2
Boxed Intel® Core™ Processor	i3-2105	3.1 GHz	BXC80623I32105	S R0BA	914936	J1
Boxed Intel® Core™ Processor	i3-2105	3.1 GHz	BX80623I32105	S R0BA	914937	J1
Boxed Intel® Pentium® Processor	G622	2.6 GHz	BX80623G622	S R05M	915247	Q0
Boxed Intel® Core™ Processor	i3-2102	3.1 GHz	BX80623I32102	S R05D	915248	Q0
Boxed Intel® Core™ Processor	i5-2310	2.9 GHz	BXC80623I52310	S R02K	915574	D2
Boxed Intel® Core™ Processor	i5-2310	2.9 GHz	BX80623I52310	S R02K	915575	D2
Boxed Intel® Celeron® Processor	G530	2.4 GHz	BX80623G530	S R05H	916624	Q0
Boxed Intel® Celeron® Processor	G530	2.4 GHz	BXC80623G530	S R05H	916625	Q0
Boxed Intel® Celeron® Processor	G540	2.5 GHz	BX80623G540	S R05J	916626	Q0
Boxed Intel® Celeron® Processor	G540	2.5 GHz	BXC80623G540	S R05J	916627	Q0
Boxed Intel® Celeron® Processor	G440	1.6 GHz	BXC80623G440	S R0BY	917150	Q0
Boxed Intel® Celeron® Processor	G440	1.6 GHz	BX80623G440	S R0BY	917154	Q0
Boxed Intel® Core™ Processor	i5-2320	3 GHz	BXC80623I52320	S R02L	917683	D2
Boxed Intel® Core™ Processor	i5-2320	3 GHz	BX80623I52320	S R02L	917684	D2
Boxed Intel® Core™ Processor	i3-2125	3.3 GHz	BX80623I32125	S R0AY	917704	J1
Boxed Intel® Pentium® Processor	G860	3 GHz	BX80623G860	S R058	917719	Q0
Boxed Intel® Core™ Processor	i3-2130	3.4 GHz	BX80623I32130	S R05W	917720	Q0
Boxed Intel® Pentium® Processor	G630	2.7 GHz	BX80623G630	S R05S	917723	Q0
Boxed Intel® Core™ Processor	i3-2125	3.3 GHz	BXC80623I32125	S R0AY	917757	J1
Boxed Intel® Core™ Processor	i3-2130	3.4 GHz	BXC80623I32130	S R05W	917807	Q0
Boxed Intel® Pentium® Processor	G630	2.7 GHz	BXC80623G630	S R05S	917809	Q0
Boxed Intel® Core™ Processor	i7-2600S	2.8 GHz	BX80623I72600S	S R00E	918078	D2
Boxed Intel® Core™ Processor	i7-2700K	3.5 GHz	BX80623I72700K	S R0DG	919177	D2
Boxed Intel® Celeron® Processor	G460	1.8 GHz	BX80623G460	S R0GR	919618	Q0
Boxed Intel® Celeron® Processor	G460	1.8 GHz	BXC80623G460	S R0GR	919736	Q0
Boxed Intel® Core™ Processor	i7-3770K	3.5 GHz	BX80637I73770K	S R0PL	920492	E1
Boxed Intel® Core™ Processor	i7-3770	3.4 GHz	BX80637I73770	S R0PK	920501	E1

Marketing Name	Processor#	Frequency	Product Code	S-Spec	MM#	Stepping
Boxed Intel® Core™ Processor	i7-3770S	3.1 GHz	BX80637I73770S	S R0PN	920503	E1
Boxed Intel® Core™ Processor	i5-3570K	3.4 GHz	BX80637I53570K	S R0PM	920515	E1
Boxed Intel® Core™ Processor	i5-3550	3.3 GHz	BX80637I53550	S R0P0	920521	E1
Boxed Intel® Core™ Processor	i5-3450	3.1 GHz	BX80637I53450	S R0PF	920526	E1
Boxed Intel® Core™ Processor	i5-3450S	2.8 GHz	BX80637I53450S	S R0P2	920531	E1
Boxed Intel® Xeon® Processor	E3-1280V2	3.6 GHz	BX80637E31280V2	S R0P7	920731	E1
Boxed Intel® Xeon® Processor	E3-1275V2	3.5 GHz	BX80637E31275V2	S R0PA	920736	E1
Boxed Intel® Xeon® Processor	E3-1270V2	3.5 GHz	BX80637E31270V2	S R0P6	920738	E1
Boxed Intel® Xeon® Processor	E3-1245V2	3.4 GHz	BX80637E31245V2	S R0P9	920742	E1
Boxed Intel® Xeon® Processor	E3-1240V2	3.4 GHz	BX80637E31240V2	S R0P5	920743	E1
Boxed Intel® Xeon® Processor	E3-1230V2	3.3 GHz	BX80637E31230V2	S R0P4	920745	E1
Boxed Intel® Xeon® Processor	E3-1225V2	3.2 GHz	BX80637E31225V2	S R0PJ	920746	E1
Boxed Intel® Xeon® Processor	E3-1220V2	3.1 GHz	BX80637E31220V2	S R0PH	920747	E1
Boxed Intel® Core™ Processor	i7-3770K	3.5 GHz	BXC80637I73770K	S R0PL	920800	E1
Boxed Intel® Core™ Processor	i7-3770	3.4 GHz	BXC80637I73770	S R0PK	920818	E1
Boxed Intel® Core™ Processor	i5-3570K	3.4 GHz	BXC80637I53570K	S R0PM	920865	E1
Boxed Intel® Core™ Processor	i5-3550	3.3 GHz	BXC80637I53550	S R0P0	920872	E1
Boxed Intel® Core™ Processor	i5-3450	3.1 GHz	BXC80637I53450	S R0PF	920877	E1
Boxed Intel® Core™ Processor	i5-2550K	3.4 GHz	BX80623I52550K	S R0QH	920954	D2
Boxed Intel® Core™ Processor	i5-2380P	3.1 GHz	BX80623I52380P	S R0G2	920960	D2
Boxed Intel® Core™ Processor	i5-2450P	3.2 GHz	BX80623I52450P	S R0G1	920961	D2
Boxed Intel® Core™ Processor	i5-2380P	3.1 GHz	BXC80623I52380P	S R0G2	920963	D2
Boxed Intel® Core™ Processor	i3-3240	3.4 GHz	BX80637I33240	S R0RH	921288	L1
Boxed Intel® Core™ Processor	i3-3220	3.3 GHz	BX80637I33220	S R0RG	921327	L1
Boxed Intel® Core™ Processor	i3-3240	3.4 GHz	BXC80637I33240	S R0RH	921334	L1
Boxed Intel® Core™ Processor	i3-3225	3.3 GHz	BXC80637I33225	S R0RF	921363	L1
Boxed Intel® Core™ Processor	i3-3220	3.3 GHz	BXC80637I33220	S R0RG	921364	L1
Boxed Intel® Core™ Processor	i3-3225	3.3 GHz	BX80637I33225	S R0RF	921375	L1
Boxed Intel® Core™ Processor	i5-3330	3 GHz	BX80637I53330	S R0RQ	921407	E1
Boxed Intel® Core™ Processor	i5-3330	3 GHz	BXC80637I53330	S R0RQ	921412	E1
Boxed Intel® Core™ Processor	i5-3570	3.4 GHz	BX80637I53570	S R0T7	922461	N0
Boxed Intel® Core™ Processor	i5-3470	3.2 GHz	BX80637I53470	S R0T8	922462	N0
Boxed Intel® Core™ Processor	i5-3470S	2.9 GHz	BX80637I53470S	S R0TA	922463	N0
Boxed Intel® Core™ Processor	i5-3570	3.4 GHz	BXC80637I53570	S R0T7	922652	N0
Boxed Intel® Core™ Processor	i5-3470	3.2 GHz	BXC80637I53470	S R0T8	922653	N0
Boxed Intel® Pentium® Processor	G640	2.8 GHz	BXC80623G640	S R059	922822	Q0
Boxed Intel® Celeron® Processor	G550	2.6 GHz	BXC80623G550	S R061	922823	Q0
Boxed Intel® Pentium® Processor	G870	3.1 GHz	BX80623G870	S R057	922824	Q0
Boxed Intel® Pentium® Processor	G640	2.8 GHz	BX80623G640	S R059	922825	Q0
Boxed Intel® Celeron® Processor	G550	2.6 GHz	BX80623G550	S R061	922826	Q0
Boxed Intel® Pentium® Processor	G2120	3.1 GHz	BX80637G2120	S R0UF	923124	P0
Boxed Intel® Core™ Processor	i5-3350P	3.1 GHz	BXC80637I53350P	S R0WS	923572	E1
Boxed Intel® Celeron® Processor	G465	1.9 GHz	BX80623G465	S R0S8	923611	Q0
Boxed Intel® Celeron® Processor	G555	2.7 GHz	BX80623G555	S R0RZ	923612	Q0
Boxed Intel® Celeron® Processor	G555	2.7 GHz	BXC80623G555	S R0RZ	923613	Q0
Boxed Intel® Celeron® Processor	G465	1.9 GHz	BXC80623G465	S R0S8	923614	Q0
Boxed Intel® Core™ Processor	i5-3350P	3.1 GHz	BX80637I53350P	S R0WS	923748	E1
Boxed Intel® Pentium® Processor	G645	2.9 GHz	BX80623G645	S R0RS	923841	Q0
Boxed Intel® Pentium® Processor	G645	2.9 GHz	BXC80623G645	S R0RS	923842	Q0

PCN Revision History:

Date of Revision:

August 15, 2012

Revision Number:

00

Reason:

Originally Published PCN