



# Product Change Notification

## 104316 – 02

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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.

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# Product Change Notification

**Change Notification #:** 104316 - 02  
**Change Title:** Embedded Microcontrollers and  
Microprocessors, PCN 104316-02, FFF,  
Conversion to Lead (Pb)-Free Products  
**Date of Publication:** December 14, 2005

**Type of Change Notification:**  
FFF - (Form-Fit-Function)

**Key Characteristics of the Change:**  
Product Material

## Forecasted Key Milestones:

<b>Date of Qualification Data Availability:</b>	Feb 22, 2005
<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	Mar 16, 2006
<b>Date Orders will be Accepted for Post-Conversion Material:</b>	Feb 22, 2005

## Description of Change to the Customer:

### Reason for Revision 02:

This PCN is being revised again to correct the Products Affected Table. The following products were incorrectly identified as products that will be converting using the Key Milestones listed above. These products will not be converting at this time.

<b>Pre-Conversion Product</b>	<b>Pre-Conversion MM#</b>
LP80C521 ROM	823323
P80C52 R 9565	814113
P80C521 R 9022	815411
P80C521 R 9620	817812
P80C521 ROM	805432
P80C522 R 8233	805523
P80C5224 ROM	805625
TP80C521 ROM	823324

### Reason for Revision:

This PCN is being revised to clarify the last availability of leaded material for the products listed in the Affected Products table below. **Customers may place orders for the leaded version of these products through December 16<sup>th</sup>, 2005. Customers must take shipment of this product by March 16<sup>th</sup>, 2006. All products shipped after this date will be Pb-free.**

**From the original PCN:**

In order to be inline with Intel's Pb-free initiative we will be adopting a standard process for the products listed in the Products Affected Table below.\* During the standardization process the lead finish will be changed from Tin/Lead (Sn/Pb) to Tin Plating (100% Sn). Tin Plating is a Pb-free process.

**Customer Impact of Change and Recommended Action:**

The existing marketing designators being used indicated that there was Pb in the package. By moving to the new marketing designators, the description of the package no longer refers to having Pb in the package, since the Pb has now been removed.

Due to this change we will start to provide a distinctive symbol and label which identify those components or devices that are totally Pb-free and/or are capable of providing or have Pb-free 2nd level interconnects.

\*Note that Lead (Pb) has not been intentionally added, but may still exist as an impurity below 1000 ppm.

**Label as it will appear after change:**

STD INTERMEDIATE BOX LABEL

(P) CUST PROD: (1B) BOX: **XX000013**

(V) SUPPLIER: **04195** (M): (C):

(1P) IPN: **ET80960JT10016**

(S) SPEC: **864017** (30P) MM#: **864017**

(1T) LOT: **L4451234** (Q) QTY: **700** (9D) DATE: **0445**

(1T) LOT: **L4455678** (Q) QTY: **20** (9D) DATE: **0445**

Pb-FREE=e3

ASSEMBLED IN MALAYSIA

MAX REFLOW 260 °C
TEMP
LEVEL 4 HOURS
BAG SEAL DATE 04NOV04

STD INTERMEDIATE BAG LABEL

(P) CUST PROD: (1B) BOX:

(V) SUPPLIER: **04195** (M): (C):

(1P) IPN: **ET80960JT10016**

(S) SPEC: **864017** (30P) MM#: **864017**

(1T) LOT: **L4451234** (Q) QTY: **700** (9D) DATE: **0445**

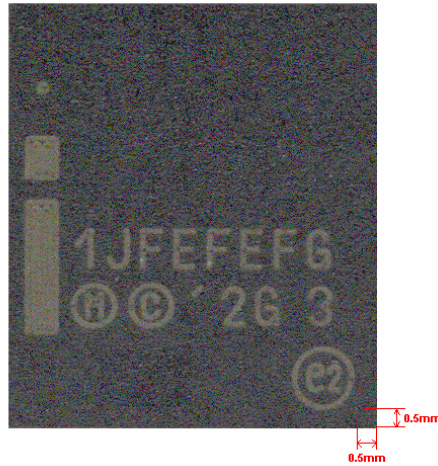
(1T) LOT: **L4455678** (Q) QTY: **20** (9D) DATE: **0445**

Pb-FREE=e3

ASSEMBLED IN MALAYSIA

MAX REFLOW 260 °C
TEMP
LEVEL 4 HOURS
BAG SEAL DATE 04NOV04

**“e<sub>x</sub>” mark on packages. Pb-free mark may be on separate line (as shown below) or on last line of existing mark (copyright line)**



The following categories are meant to describe the Pb-free 2nd level interconnect (see figure 1) terminal finish/material of components and/or the solder paste/solder used in board assembly.
e1 - SnAgCu (shall not be included in category e2)
e2 - Sn alloys with no Bi or Zn excluding SnAgCu
<b>e3 - Sn</b>
e4 - Precious metal (e.g., Ag, Au, NiPd, NiPdAu) (no Sn)
e5 - SnZn, SnZnx (no Bi)
e6 - contains Bi
e7 - low temperature solder ( $\leq 150$ °C) containing Indium (no Bi)

The marketing package designator will also change to reflect Pb-free packaging. In order to facilitate this change a new MM# has been created for the affected products. Ceramic product is already Pb-free so the package designator will not change. However, the part mark will change to reflect Pb-free product. Please see table below.

<b>Pb Package Designators</b>	<b>Pb-Free Package Designator</b>	<b>Package description</b>	<b>Package abbreviations</b>
A	A	Ceramic Pin Grid Array	PGA
KU	QU	Plastic Quad Flatpack	PQFP
R	R	Ceramic Leadless Chip Carrier	LCC
NG	NT	Plastic Quad Flatpack	PQFP
S	EG	Quad Flat pack	(QFP-EIAJ)
SB	YW	Shrink Quad Flatpack	SQFP-EIAJ
FA	JA	Thin Quad Flat pack	TQFP
FC	UG	Shrink Quad Flatpack with Heat Spreader	PQ2
GD	WL	Plastic Ball Grid Array	PBGA
FW	PR	Plastic Ball Grid Array	PBGA
U	QT	Shrink Dual in line package	SDIP
N	EE	Plastic Lead Chip Carrier	PLCC
P	UJ	Plastic Dual in-line package	PDIP
TN	EN	Plastic Lead Chip Carrier-Extended Temp	PLCC
TP	EJ	Plastic Dual in-line package-Extended Temp	PDIP
TA	TA	Ceramic Pin Grid Array-Extended Temp	PGA
TS	ES	Quad Flat pack-Extended Temp	(QFP-EIAJ)

## Products Affected / Intel Ordering Codes:

**Component Product Table**

Pre-Conversion Product Code	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion MM#
KU80386EXTB25	807262	QU80386EXTB25 863821	863821
KU80386EXTC25	807271	QU80386EXTC25 863826	863826
KU80386EXTC33	807277	QU80386EXTC33 863827	863827
KU80386SXTA25	800169	QU80386SXTA25 863828	863828
KU80386SXTA33	800175	QU80386SXTA33 863829	863829
KU80386SXTA40	800183	QU80386SXTA40 863830	863830
KU80C186EC20	802933	QU80C186EC20 863494	863494
KU80C186EC25	802951	QU80C186EC25 863807	863807
KU80C188EC20	803638	QU80C188EC20 863810	863810
KU80C188EC25	803656	QU80C188EC25 863811	863811
KU80L186EC13	806111	QU80L186EC13 863808	863808
KU80L186EC16	806116	QU80L186EC16 863809	863809
KU80L188EC13	806192	QU80L188EC13 863812	863812
NG80386DX25	807111	NT80386DX25 864042	864042
NG80386DX33	807141	NT80386DX33 864044	864044
NG80386DX33 S X692	807147	NT80386DX33 S X692	864385
NG80386SX25	800310	NT80386SX25 863659	863659
NG80386SX25 S N177	800333	NT80386SX25 S N177	864048
NG80386SX25 S X701	800341	NT80386SX25 S X701	863660
NG80386SX33	800353	NT80386SX33 863658	863658
NG80386SX33 S X702	800367	NT80386SX33 S X702	863713
NG80386SXLP20 S X713	800127	NT80386SXLP20 S X713	863711
NG80386SXLP25	800134	NT80386SXLP25 863714	863714
NG80386SXLP33	800149	NT80386SXLP33 863715	863715

Pre-Conversion Product Code	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion MM#
LN80C31BH1 S F88	809475	BE80C31BH1 S F88	864825
LN80C51BH1 ROM	803667	BE80C51BH116 R OM	864328
LN80C51FA1 S F88	811045	BE80C51FA1 S F88	864827
LN83C51FA1 ROM	808512	BE83C51FA116 R OM	864556
LN87C511 S F76	823401	BE87C511 S F76	864849
LN87C51FA1 S F76	823334	BE87C51FA1 S F76	864848
LN87C51FC24 S F76	812078	BE87C51FC24 S F76	864828
LP80C521 R OM	823323	BU80C52116 R OM	864583
N80C196KB16	804072	EE80C196KB16 863947	863947
N80C196KB16 S F12	809438	EE80C196KB16 S F12	864007
N80C196KC20	804097	EE80C196KC20 863948	863948
N80C196KC20 S F12	804105	EE80C196KC20 S F12	863949
N80C196NT	804261	EE80C196NT 863993	863993
N80C196NT S F12	809446	EE80C196NT S F12	864008
N80C196NT S N236	809172	EE80C196NT S N236	864006
N80C251SB16 S F12	804414	EE80C251SB16 S F12	863994
N80C251SB16 S F87	804421	EE80C251SB16 S F87	863995
N80C251SQ16	804459	EE80C251SQ16 863996	863996
N80C251TB24 816721	816721	EE80C251TB24 864438	864438
N80C251TB24 S F12	829880	EE80C251TB24 S F12	864444
N80C251TQ24 816722	816722	EE80C251TQ24 864440	864440
N80C31BH1 S C06	804799	EE80C31BH1 S C06	864000
N80C31BH1 S F88	809480	EE80C31BH1 S F88	864157
N80C31BH1 S F89	809481	EE80C31BH1 S F89	864159
N80C31BH24 S F88	809494	EE80C31BH2424 S F88	864158
N80C321 S C06	805115	EE80C321 S C06	864001
N80C321 S F88	809512	EE80C321 S F88	864161
N80C321 S F89	809513	EE80C321 S F89	864162
N80C3224 S F88	809521	EE80C3224 S F88	864164
N80C3224 S F89	809522	EE80C3224 S F89	864166
N80C42 R 7051	805333	EE80C4212 R 7051	864815
N80C42 R 7057	807959	EE80C4212 R 7057	864621
N80C42 R 7115	808833	EE80C4212 R 7115	864617
N80C42 R 7118	809173	EE80C4212 R 7118	864613
N80C42 ROM	805354	EE80C4212 R OM	864403
N80C51BH R 1076	805626	EE80C51BH12 R 1076	864295
N80C51BH R 1503	819829	EE80C51BH12 R 1503	864687
N80C51BH R 1504	819831	EE80C51BH12 R 1504	864689
N80C51BH R 2194	805649	EE80C51BH12 R 2194	864297
N80C51BH R 4608	805707	EE80C51BH12 R 4608	864298
N80C51BH R 4730	805804	EE80C51BH12 R 4730	864299
N80C51BH R 7040	806062	EE80C51BH12 R 7040	864303
N80C51BH1 R 4649	803688	EE80C51BH116 R 4649	864241
N80C51BH1 R 7519	803743	EE80C51BH116 R 7519	864246
N80C51BH1 ROM	803749	EE80C51BH116 R OM	864336
N80C51BH24 ROM	804076	EE80C51BH2424 R OM	864366



Pre-Conversion Product Code	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion MM#
N80C51BHP R 1081	802192	EE80C51BHP12 R 1081	864209
N80C51BHP1 ROM	803239	EE80C51BHP116 R OM	864276
N80C51FA1 S F88	809568	EE80C51FA1 S F88	864167
N80C51FA1 S F89	809569	EE80C51FA1 S F89	864419
N80C51FA24 S F88	809581	EE80C51FA24 S F88	864420
N80C51FA33 S F88	810981	EE80C51FA33 S F88	864481
N80C51RA1	804496	EE80C51RA1 863997	863997
N80C51RA24	804579	EE80C51RA24 863998	863998
N80C52 R 9154	804737	EE80C5212 R 9154	864269
N80C52 R 9213	804787	EE80C5212 R 9213	864270
N80C521 ROM	805397	EE80C52116 R OM	864409
N80C5220 R 8245	805559	EE80C5220 R 8245	864292
N80C5220 R 8246	805565	EE80C5220 R 8246	864293
N80C5220 R 9268	805577	EE80C5220 R 9268	864294
N80C5224 R 9418	809622	EE80C5224 R 9418	864608
N80C5224 ROM	805617	EE80C5224 R OM	864422
N82C42PC R 7074	814007	EE82C42PC12 R 7074	864630
N82C42PC R 7105	804618	EE82C42PC12 R 7105	864253
N82C42PC R 7106	804624	EE82C42PC12 R 7106	864254
N82C42PE R 7088	804653	EE82C42PE12 R 7088	864260
N83C196KB R 0105	807281	EE83C196KB16 R 0105	864579
N83C196KB R 0192	807287	EE83C196KB16 R 0192	864578
N83C196KB16 R 1905	857556	EE83C196KB16 R 1905	864736
N83C196KB16 ROM	808502	EE83C196KB16 R OM	864531
N83C251TA24 R OM	816723	EE83C251TA24 R OM	864958
N83C251TB24 R OM	816724	EE83C251TB24 R OM	864575
N83C251TB24 R 1187	832549	EE83C251TB24 R 1187	864721
N83C251TP24 R OM	816726	EE83C251TP24 R OM	864957
N83C51FA R 7739	800402	EE83C51FA12 R 7739	864180
N83C51FA R 7817	800416	EE83C51FA12 R 7817	864182
N83C51FA R 8810	800473	EE83C51FA12 R 8810	864183
N83C51FA R 8922	800501	EE83C51FA12 R 8922	864185
N83C51FA R 9538	811649	EE83C51FA12 R 9538	864541
N83C51FA R 9539	811647	EE83C51FA12 R 9539	864540
N83C51FA R 9699	822914	EE83C51FA12 R 9699	864698
N83C51FA1 R 1758	837580	EE83C51FA116 R 1758	864724
N83C51FA1 R 1857	852168	EE83C51FA116 R 1857	864561
N83C51FA1 R 1927	862185	EE83C51FA116 R 1927	864743
N83C51FA1 R 1937	863312	EE83C51FA116 R 1937	864745
N83C51FA1 R 8488	800820	EE83C51FA116 R 8488	864192
N83C51FA1 R 9497	821908	EE83C51FA116 R 9497	864697
N83C51FA1 R 9762	831488	EE83C51FA116 R 9762	864717
N83C51FA1 ROM	800855	EE83C51FA116 R OM	864227
N83C51FA24 ROM	800987	EE83C51FA24 R OM	864232
N83C51FA33 R 1903	857000	EE83C51FA33 R 1903	864734
N83C51FA33 ROM	801012	EE83C51FA33 R OM	864240

Pre-Conversion Product Code	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion MM#
N87C196KB16	802532	EE87C196KB16 863922	863922
N87C196KB16 R OM	810679	EE87C196KB16 R OM	864568
N87C196KC20	802695	EE87C196KC20 863921	863921
N87C196KC20 R 1338	802700	EE87C196KC20 R 1338	864214
N87C196KC20 ROM	802731	EE87C196KC20 R OM	864272
N87C196KC20 S F12	802748	EE87C196KC20 S F12	863939
N87C196KD	802848	EE87C196KDH 864549	864549
N87C196KD R OM	822179	EE87C196KD20 R OM	864581
N87C196KD20	802914	EE87C196KDH20 863920	863920
N87C196KD20 S F12	802921	EE87C196KDH20 S F12	864550
N87C196NT	803728	EE87C196NT 863936	863936
N87C251SA16	803771	EE87C251SA16 863938	863938
N87C251SA16 ROM	803781	EE87C251SA16 R OM	864337
N87C251SB16 ROM	803907	EE87C251SB16 R OM	864348
N87C251SB16 S F12	803913	EE87C251SB16 S F12	863940
N87C251SB16 S F87	803916	EE87C251SB16 S F87	863941
N87C251SP16	803998	EE87C251SP16 863946	863946
N87C251SP16 R 1123	816941	EE87C251SP16 R 1123	864679
N87C251SP16 ROM	804002	EE87C251SP16 R OM	864355
N87C251SQ16	804054	EE87C251SQ16 863945	863945
N87C251SQ16 ROM	804060	EE87C251SQ16 R OM	864362
N87C42	804115	EE87C42 863950	863950
N87C511 S F76	810977	EE87C511 S F76	864431
N87C51FA S W30	825231	EE87C51FA S W30	864442
N87C51FA1 S F75	811697	EE87C51FA1 S F75	864437
N87C51FA1 S F76	810760	EE87C51FA1 S F76	864429
N87C51FA24 S F76	810758	EE87C51FA24 S F76	864427
N87C51FA33 S F76	810753	EE87C51FA33 S F76	864425
N87C51FB R 2825	804797	EE87C51FB12 R 2825	864271
N87C51FB R 3494	804846	EE87C51FB12 R 3494	864274
N87C51FB R 7350	814211	EE87C51FB12 R 7350	864632
N87C51FB1 ROM	805276	EE87C51FB116 R OM	864372
N87C51FB1 S F76	812060	EE87C51FB1 S F76	864443
N87C51FB24 ROM	805536	EE87C51FB24 R OM	864417
N87C51FB24 S F76	811012	EE87C51FB24 S F76	864433
N87C51FB33 ROM	805624	EE87C51FB33 R OM	864450
N87C51FB33 S F76	811022	EE87C51FB33 S F76	864434
N87C51FC1 ROM	806007	EE87C51FC116 R OM	864458
N87C51FC1 S F76	811087	EE87C51FC1 S F76	864435
N87C51FC24 ROM	806418	EE87C51FC24 R OM	864467
N87C51FC24 S F76	811089	EE87C51FC24 S F76	864439
N87C51FC33 ROM	806534	EE87C51FC33 R OM	864470
N87C51FC33 S F76	811090	EE87C51FC33 S F76	864436
N87C51RA R 9016	806893	EE87C51RA12 R 9016	864316
N87C51RA1	806959	EE87C51RA1 864003	864003
N87C51RA1 R 1919	861601	EE87C51RA116 R 1919	864742
N87C51RA1 ROM	806965	EE87C51RA116 R OM	864473
N87C51RA24	807119	EE87C51RA24 864004	864004

Pre-Conversion Product Code	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion MM#
N87C51RA24 ROM	807128	EE87C51RA24 R OM	864479
N87C51RB1	807251	EE87C51RB1 864637	864637
N87C51RB1 R 1724	836302	EE87C51RB116 R 1724	864723
N87C51RB1 R 1778	838382	EE87C51RB116 R 1778	864626
N87C51RB1 R 1901	854580	EE87C51RB116 R 1901	864733
N87C51RB1 R 6238	816296	EE87C51RB16 R 6238	864677
N87C51RB1 R 6252	825511	EE87C51RB116 R 6252	864703
N87C51RB1 ROM	807270	EE87C51RB116 R OM	864526
N87C51RB24	807306	EE87C51RB24 864005	864005
N87C51RB24 ROM	807308	EE87C51RB24 R OM	864532
N87C51RC1	800186	EE87C51RC1 863925	863925
N87C51RC1 ROM	800195	EE87C51RC116 R OM	864834
N87C51RC1 S C06	800202	EE87C51RC1 S C06	863923
N87C51RC24	800338	EE87C51RC24 863924	863924
N87C51RC24 ROM	800346	EE87C51RC24 R OM	864215
N87C521 S F76	810755	EE87C521 S F76	864426
N87C5224 S F76	810752	EE87C5224 S F76	864408
N87C5233 S F76	810763	EE87C5233 S F76	864428
N87C581 ROM	801722	EE87C58116 R OM	864249
N87C581 S F76	810724	EE87C581 S F76	864446
N87C5824 ROM	801787	EE87C5824 R OM	864257
N87C5833 ROM	801846	EE87C5833 R OM	864263
NG88CO196EC40 859794	859794	NT88CO196EC40 864388	864388
P80C52 R 9565	814113	UJ80C5212 R 9565	864631
P80C521 R 9022	815411	UJ80C52116 R 9022	864635
P80C521 R 9620	817812	UJ80C52116 R 9620	864681
P80C521 ROM	805432	UJ80C52116 R OM	864412
P80C522 R 8233	805523	UJ80C52212 R 8233	864284
P80C5224 ROM	805625	UJ80C5224 R OM	864451
TG88CO196EC40 859797	859797	ET88CO196EC40 865026	865026
TN80C196KB16	808448	EN80C196KB16 864916	864916
TN80C196KB16 S F12	809439	EN80C196KB16 S F12	864918
TN80C196KC20	804155	EN80C196KC20 864885	864885
TN80C196KC20 S F12	804161	EN80C196KC20 S F12	864886
TN80C196NT	804267	EN80C196NT 864988	864988
TN80C251SB16	804441	EN80C251SB16 864907	864907
TN80C251SQ16	804487	EN80C251SQ16 864909	864909
TN80C251TB24 816729	816729	EN80C251TB24 864936	864936
TN80C251TQ24 816720	816720	EN80C251TQ24 864935	864935
TN80C31BH1 S F88	810026	EN80C31BH1 S F88	864987
TN80C31BH1 S F89	823320	EN80C31BH1 S F89	865000
TN80C321 S F88	809517	EN80C321 864919	864919
TN80C321 S F89	823319	EN80C321 S F89	864995
TN80C3224 S F88	809524	EN80C3224 S F88	864920
TN80C3224 S F89	833125	EN80C3224 S F89	865001
TN80C51BH R 7687	803446	EN80C51BH12 R 7687	864225
TN80C51BH R 7688	803453	EN80C51BH12 R 7688	864222
TN80C51BH1 ROM	804026	EN80C51BH116 R OM	864359

Pre-Conversion Product Code	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion MM#
TN80C51BH24 ROM	807740	EN80C51BH24 R OM	864536
TN80C51FA1 S F88	809574	EN80C51FA1 S F88	864921
TN80C51FA1 S F89	809575	EN80C51FA1 S F89	864992
TN80C51FA24 S F88	809583	EN80C51FA24 S F88	864923
TN80C52 R 8818	809617	EN80C5212 R 8818	864610
TN80C521 ROM	805494	EN80C52116 R OM	864415
TN82527 817073	817073	EN82527 864938	864938
TN83C196KB R 7161	816078	EN83C196KB16 R 7161	864636
TN83C196KB16 R 1906	857567	EN83C196KB16 R 1906	864737
TN83C196KB16 R 1910	859134	EN83C196KB16 R 1910	864739
TN83C196KB16 ROM	808504	EN83C196KB16 R OM	864555
TN83C251TB24 R OM	816708	EN83C251TB24 R OM	864572
TN83C251TB24 R 1865	853170	EN83C251TB24 R 1865	864908
TN83C251TB24 R 1884	853228	EN83C251TB24 R 1884	864910
TN83C251TB24 R 1897	853753	EN83C251TB24 R 1897	864732
TN83C51FA R 7718	800689	EN83C51FA12 R 7718	864189
TN83C51FA R 7885	817524	EN83C51FA12 R 7885	864680
TN83C51FA1 ROM	800960	EN83C51FA116 R OM	864321
TN87C196CA 817074	817074	EN87C196CA 864937	864937
TN87C196KB16	802547	EN87C196KB16 864857	864857
TN87C196KB16 R OM	857543	EN87C196KB16 R OM	864600
TN87C196KB16 R 1907	857729	EN87C196KB16 R 1907	864738
TN87C196KC20	802788	EN87C196KC20 864858	864858
TN87C196KC20 R 1355	802800	EN87C196KC20 R 1355	864216
TN87C196KC20 R 1904	857309	EN87C196KC20 R 1904	864735
TN87C196KC20 R 5125	820081	EN87C196KC20 R 5125	864690
TN87C196KC20 ROM	802814	EN87C196KC20 R OM	864327
TN87C196KC20 S F12	802827	EN87C196KC20 S F12	864861
TN87C196KD20 848548	848548	EN87C196KD20 865002	865002
TN87C196NT	803734	EN87C196NT 864860	864860
TN87C251SA16	803800	EN87C251SA16 864880	864880
TN87C251SA16 ROM	803805	EN87C251SA16 R OM	864340
TN87C251SB16	803953	EN87C251SB16 864881	864881
TN87C251SB16 ROM	803959	EN87C251SB16 R OM	864351
TN87C251SB16 S F12	803965	EN87C251SB16 S F12	864882
TN87C251SP16	804021	EN87C251SP16 864884	864884
TN87C251SP16 ROM	804030	EN87C251SP16 R OM	864361
TN87C251SQ16	804087	EN87C251SQ16 864883	864883
TN87C251SQ16 ROM	804093	EN87C251SQ16 R OM	864371
TN87C511 S F76	811004	EN87C511 S F76	864986
TN87C51FA S W061	804358	EN87C51FA S W061	865922
TN87C51FA1 S F76	810774	EN87C51FA1 S F76	864927
TN87C51FA24 S F76	810975	EN87c51FA24 S F76	864929
TN87C51FB R 7320	808938	TN87C51FB12 R 7320	864614
TN87C51FB1 ROM	805409	EN87C51FB116 R OM	864411
TN87C51FB1 S F76	812042	EN87C51FB1 S F76	864931
TN87C51FB24 S F76	812495	EN87C51FB24 S F76	864934
TN87C51FC1 ROM	806205	EN87C51FC116 R OM	864461

Pre-Conversion Product Code	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion MM#
TN87C51FC1 S F76	812059	EN87C51FC1 S F76	864933
TN87C51FC24 S F76	811071	EN87C51FC24 S F76	864932
TN87C51RA1	807001	EN87C51RA1 864914	864914
TN87C51RA1 ROM	807027	En87C51RA116 R OM	864476
TN87C51RA24 ROM	807160	EN87C51RA24 R OM	864524
TN87C51RB24	807318	EN87C51RB24 864917	864917
TN87C51RC1 R OM	823344	EN87C51RC116 R OM	864586
TN87C51RC24	800391	EN87C51RC24 864856	864856
TN87C51RC24 R OM	823404	EN87C51RC24 R OM	864589
TN87C521 S F76	810688	EN87C521 S F76	864926
TN87C5224 S F76	819853	EN87C5224 S F76	864994
<b>TP80C521 R OM</b>	<b>823324</b>	<b>EJ80C52116 R OM</b>	<b>864584</b>
NG80960JA3V16 819544	819544	NT80960JA3V162 863978	863978
NG80960JA3V25 819545	819545	NT80960JA3V252 863976	863976
NG80960JA3V33 819546	819546	NT80960JA3V332 863975	863975
NG80960JC50 820342	820342	NT80960JC5016 864035	864035
NG80960JD3V40 819550	819550	NT80960JD3V404 863972	863972
NG80960JD3V66 819553	819553	NT80960JD3V664 863969	863969
NG80960JF3V25 819556	819556	NT80960JF3V254 863987	863987
NG80960JF3V33 819557	819557	NT80960JF3V334 864009	864009
NG80960JT100 818018	818018	NT80960JT10016 863965	863965
NG80960KA16	803445	NT80960KA16512 863958	863958
NG80960KA20	803464	NT80960KA20512 863960	863960
NG80960KB16	803504	NT80960KB16512 863964	863964
NG80960KB20	803523	NT80960KB20512 863966	863966
NG80960KB25	803540	NT80960KB25512 863968	863968
TG80960JA3V25 819558	819558	ET80960JA3V252 864011	864011
TG80960JS25 824382	824382	ET80960JS2516 864019	864019
TG80960JS33 825153	825153	ET80960JS3316 864015	864015
TG80960JT100 824389	824389	ET80960JT10016 864017	864017
TG80960KA20	803479	ET80960KA20512 863962	863962
TG80960KB25	803553	ET80960KB25512 863984	863984

## Reference Documents / Attachments:

### Document:

Intel Pb-free Site  
MDDS  
JESD97

### Location #:

<http://www.intel.com/research/silicon/leadfree.htm>  
<http://www.intel.com/design/PACKTECH/packbook.htm>  
<http://www.jedec.org/download/default.cfm>

## PCN Revision History:

### Date of Revision:

February 22, 2005  
September 27, 2005  
December 14, 2005

### Revision Number:

00  
01  
02

### Reason:

Originally Published PCN  
Clarify last availability of leaded product.  
Correct Products Affected Table