

DATE: 9<sup>th</sup> April, 2014

PCN #: 2140

PCN Title: Leadframe material change for SOT-25, SOT-26 and TSOT25 packages

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

One of Diodes' tier-two suppliers of raw material for the manufacture of copper leadframes recently experienced a disaster resulting in plant closure. Having thoroughly reviewed all aspects of our supply chain and to assure continuity of supply to our customers we will be converting the leadframe material for devices packaged in SOT-25, SOT-26, and TSOT25 to CDA 194 alloy starting immediately as described in attached PCN form.

Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



**PRODUCT CHANGE NOTICE****PCN-2140 REV 00**

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
9 <sup>th</sup> April, 2014	Immediately	Analog and Discrete Semiconductors	Leadframe Material	2140
TITLE				
Leadframe material change for SOT-25, SOT-26 and TSOT25 packages				
DESCRIPTION OF CHANGE				
<p>One of Diodes' tier-two suppliers of raw material for the manufacture of copper leadframes recently experienced a disaster resulting in plant closure.</p> <p>Having thoroughly reviewed all aspects of our supply chain and to assure continuity of supply to our customers we will be converting the leadframe material for devices packaged in SOT-25, SOT-26, and TSOT25 at the Diodes SKE/DSH (Shanghai Kaihong Electronic Co./Diodes Inc. Shanghai) Assembly &amp; Test Sites to CDA 194 alloy starting immediately.</p> <p>A separate product change notification will be issued for Hall effect sensors.</p> <p>Our currently qualified tier-one leadframe suppliers have already been manufacturing and supplying leadframes with CDA 194 alloy for a number of years. Furthermore, CDA 194 leadframes have already been used for select parts in above mentioned packages and extensively in other package types throughout Diodes.</p> <p>Full electrical characterization and high reliability testing has been completed using representative devices built with CDA 194 leadframes to ensure there is no change to device functionality or electrical specifications in the datasheet. Corresponding qualification data is available.</p> <p>There will be no change to the Form, Fit, or Function of products affected.</p>				
IMPACT				
Continuity of Supply.				
PRODUCTS AFFECTED				
See attached list.				
WEB LINKS				
Manufacturer's Notice:	<a href="http://www.diodes.com/quality/pcns">http://www.diodes.com/quality/pcns</a>			
For More Information Contact:	<a href="http://www.diodes.com/contacts">http://www.diodes.com/contacts</a>			
Data Sheet:	<a href="http://www.diodes.com/products">http://www.diodes.com/products</a>			
DISCLAIMER				
Unless a Diodes Incorporated Sales representative is contacted in writing upon receipt of this notice, all changes described in this announcement are considered approved.				



## PCN-2140 Parts List

74AHC1G00W5-7	74LVC2G34W6-7	AP2171DWG-7	AP7312-1533W6-7	APX823-29W5G-7
74AHC1G02W5-7	74LVCE1G02W5-7	AP2171WG-7	AP7312-1828W6-7	APX823-31W5G-7
74AHC1G04W5-7	74LVCE1G04W5-7	AP2181DWG-7	AP7312-1830W6-7	APX823-40W5G-7
74AHC1G08W5-7	74LVCE1G08W5-7	AP2181WG-7	AP7312-1833W6-7	APX823-44W5G-7
74AHC1G09W5-7	74LVCE1G125W5-7	AP2191DWG-7	AP7312-3333W6-7	APX823-46W5G-7
74AHC1G125W5-7	74LVCE1G126W5-7	AP2191HWG-7	AP7331-10WG-7	APX824-23W5G-7
74AHC1G126W5-7	74LVCE1G32W5-7	AP2191WG-7	AP7331-12WG-7	APX824-26W5G-7
74AHC1G14W5-7	74LVCE1G86W5-7	AP2280-1WG-7	AP7331-15WG-7	APX824-29W5G-7
74AHC1G32W5-7	AL5801W6-7	AP2280-2WG-7	AP7331-18WG-7	APX824-31W5G-7
74AHC1G86W5-7	AL5801W6Q-7	AP2281-1WG-7	AP7331-20WG-7	APX824-40W5G-7
74AHC1GU04W5-7	AL5802-13	AP2281-3WG-7	AP7331-25WG-7	APX824-46W5G-7
74AHCT1G00W5-7	AL5802-7	AP2552AW6-7	AP7331-28WG-7	APX825A-26W6G-7
74AHCT1G02W5-7	AL8805W5-7	AP2552W6-7	AP7331-30WG-7	APX825A-29W6G-7
74AHCT1G08W5-7	AL8807W5-7	AP2553AW6-7	AP7331-33WG-7	APX825A-31W6G-7
74AHCT1G125W5-7	AL8808WT-7	AP2553W6-7	AP7331-WG-7	APX825A-44W6G-7
74AHCT1G126W5-7	AP131-18WG-7	AP331AWG-7	AP7332-1233W6-7	APX825A-46W6G-7
74AHCT1G14W5-7	AP131-25WG-7	AP331AWRG-7	AP7332-1828W6-7	AS431BKTR-G1
74AHCT1G32W5-7	AP131-25WL-7	AP431QL-7	AP7332-1833W6-7	ASMCC0164-7
74LVC1G00W5-7	AP131-28WG-7	AP432QL-7	AP7332-2833W6-7	ASMCC0195-7
74LVC1G02W5-7	AP131-30WL-7	AP5100WG-7	AP7332-3333W6-7	ASMCC0208-7
74LVC1G04W5-7	AP131-33WG-7	AP5724WG-7	AP7335-10WG-7	ASMCC0209-7
74LVC1G06W5-7	AP131-33WL-7	AP5725WG-7	AP7335-12WG-7	AT1042K6-5.0TRG1
74LVC1G07W5-7	AP133-WG-7	AP5726WG-7	AP7335-18WG-7	AT2042K6-5.0TRG1
74LVC1G08W5-7	AP139-15WL-7	AP5727WG-7	AP7335-25WG-7	AZ431LAKTR-E1
74LVC1G10W6-7	AP139-18WG-7	AP7115-10WG-7	AP7335-27WG-7	AZ431LBKTR-E1
74LVC1G11W6-7	AP139-25WG-7	AP7115-12WG-7	AP7335-28WG-7	BAS21TM-7
74LVC1G125W5-7	AP139-30WG-7	AP7115-15WG-7	AP7335-33WG-7	D1213A-02SM-7
74LVC1G126W5-7	AP139-30WL-7	AP7115-18WG-7	AP7335-39WG-7	D1213A-02SO-7
74LVC1G14W5-7	AP139-33WG-7	AP7115-25WG-7	AP7335A-50W-7	D1213A-04SO-7
74LVC1G17W5-7	AP139-33WL-7	AP7115-28WG-7	AP7335-WG-7	D5V0F4U6SO-7
74LVC1G32W5-7	AP1522WA	AP7115-30WG-7	AP7365-10WG-7	D5V0L4B5SO-7
74LVC1G57W6-7	AP1603WL-7	AP7115-33WG-7	AP7365-12WG-7	D5V0L4B5TS-7
74LVC1G58W6-7	AP2125K-1.8TRG1	AP7115-35WG-7	AP7365-18WG-7	DCX114YK-7
74LVC1G86W5-7	AP2125K-2.5TRG1	AP7311-12WG-7	AP7365-25WG-7	DCX114YK-7-F
74LVC1G97W6-7	AP2125K-2.8TRG1	AP7311-15WG-7	AP7365-28WG-7	DCX124EK-7
74LVC1G98W6-7	AP2125K-3.3TRG1	AP7311-18WG-7	AP7365-30WG-7	DCX124EK-7-F
74LVC2G04W6-7	AP2141DWG-7	AP7311-25WG-7	AP7365-33WG-7	DCX144EK-7
74LVC2G06W6-7	AP2141WG-7	AP7311-33WG-7	AP7365-WG-7	DDC123JK-7-F
74LVC2G07W6-7	AP2151DWG-7	AP7311-WG-7	AP8800AWT-7	DIMD10A-7
74LVC2G14W6-7	AP2151WG-7	AP7312-1218W6-7	APX321WG-7	DMC2700UDM-7
74LVC2G17W6-7	AP2161DWG-7	AP7312-1233W6-7	APX823-23W5G-7	DMG6402LDM-7



DMG9926UDM-7	TLV431AE5TA	ZXMN10A08E6TA	ZXTC2045E6TA
DMMT2907A-7	TLV431BE5TA	ZXMN10B08E6QTA	ZXTC2061E6TA
DMMT3906-7-F	ZHCS2000TA	ZXMN10B08E6TA	ZXTC2062E6TA
DMMT5401-7-F	ZLLS2000TA	ZXMN2088DE6TA	ZXTC2063E6TA
DMMT5551-7-F	ZTD09N50DE6QTA	ZXMN2A01E6TA	ZXTD09N50DE6TA
DMMT5551S-7-F	ZVN4525E6TA	ZXMN2A03E6TA	ZXTD2090E6TA
DMN2004DMK-7	ZVP4525E6TA	ZXMN2B03E6TA	ZXTD4591E6TA
DMN2100UDM-7	ZX5T2E6TA	ZXMN3A01E6TA	ZXTD6717E6QTA
DMN2215UDM-7	ZXCL280E5TA	ZXMN3A03E6TA	ZXTD6717E6TA
DMN3033LDM-7	ZXCL300E5TA	ZXMN6A08E6QTA	ZXTP2006E6TA
DMN3051LDM-7	ZXCL330E5TA	ZXMN6A08E6TA	
DMN3115UDM-7	ZXCT1010E5TA	ZXMP10A17E6QTA	
DMN3115UDMQ-7	ZXCT1011E5TA	ZXMP10A17E6TA	
DMN5L06DMK-7	ZXCT1012ET5TA	ZXMP2120E5TA	
DMN601DMK-7	ZXCT1020E5TA	ZXMP3A17E6TA	
DMP2066LDM-7	ZXCT1021E5TA	ZXMP4A57E6TA	
DMP2130LDM-7	ZXCT1022E5TA	ZXMP6A17E6QTA	
DMP2240UDM-7	ZXCT1041E5TA	ZXMP6A17E6TA	
DMP3056LDM-7	ZXCT1050E5TA	ZXRE060AET5TA	
DMP3098LDM-7	ZXCT1051E5TA	ZXRE060ET5TA	
DRDC3105E6-7	ZXCT1080E5TA	ZXRE160AET5TA	
DSS4160DS-7	ZXCT1081E5TA	ZXRE160ET5TA	
DT1042-04SO-7	ZXCT1082E5TA	ZXRE250AW5-7	
DT2042-04SO-7	ZXCT1083E5TA	ZXSC300E5TA	
DVRN6056-7-F	ZXCT1084E5TA	ZXSC310E5TA	
DVRN6056-7-G	ZXCT1085E5TA	ZXSC400E6TA	
IMT17-7	ZXCT1086E5TA	ZXSC410E6TA	
IMX8-7-F	ZXCT1087E5TA	ZXSC420E6TA	
LMN200B01-7	ZXCT1110W5-7	ZXT10N15DE6TA	
LMV321WG-7	ZXGD3001E6TA	ZXT10N20DE6TA	
MMBD3004BRM-7-F	ZXGD3002E6TA	ZXT10N50DE6TA	
MMBD4448HTM-7-F	ZXGD3003E6TA	ZXT10P12DE6TA	
MMBD5004BRM-7	ZXGD3004E6TA	ZXT10P20DE6TA	
MMDT2227M-7	ZXGD3005E6TA	ZXT10P20DE6TC	
MMDTA06-7	ZXGD3006E6QTA	ZXT10P40DE6TA	
MMDTA42-7-F	ZXGD3006E6TA	ZXT13N15DE6TA	
SD103ASDM-7-F	ZXLD1350ET5TA	ZXT13N20DE6TA	
SDM03MT40-7-F	ZXLD1615ET5TA	ZXT13N50DE6TA	
SDM03MT40A-7-F	ZXM62N02E6TA	ZXT13P12DE6TA	
SDM10M45SD-7-F	ZXM62P02E6TA	ZXT13P20DE6TA	
TL431AW5-7	ZXM62P03E6TA	ZXT13P40DE6TA	
TL431BW5-7	ZXMN10A08E6QTA	ZXTC2045E6QTA	