



DATE: 10<sup>th</sup> January, 2012

PCN #: 2070

PCN Title: Qualification of "Diodes Technology (Cheng Du) Company Limited" (DTC) as an Additional Assembly & Test Site for SOT-23 Packaged Parts and Conversion to Copper Bond Wire on Select Discrete Products at Diodes SKE/DSH (Shanghai Kaihong Electronic Co./Diodes Inc. Shanghai)

Dear Customer:

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

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request within 30 days as well. Otherwise, samples may not be built prior to this change. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

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

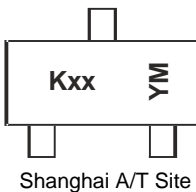
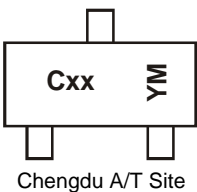
For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team

**PRODUCT CHANGE NOTICE**

**PCN-2070 REV00**

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
10 <sup>th</sup> January, 2012	9 <sup>th</sup> April, 2012	Discrete Semiconductors	Additional Assembly / Test Site Bond Wire Material	<b>2070</b>
<b>TITLE</b>				
Qualification of "Diodes Technology (Cheng Du) Company Limited" (DTC) as an Additional Assembly & Test Site for SOT-23 Packaged Parts and Conversion to Copper Bond Wire on Select Discrete Products at Diodes SKE/DSH (Shanghai Kaihong Electronic Co./Diodes Inc. Shanghai)				
<b>DESCRIPTION OF CHANGE</b>				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes has qualified "Diodes Technology (Cheng Du) Company Limited" (DTC) located in the Chengdu Hi-Tech Industrial Development Zone (CDHT) in Chengdu, China as an additional Assembly &amp; Test Site for select SOT-23 packaged parts using Copper bond wire.</p> <p>Established in December 2010, as a joint venture between Diodes Incorporated and Chengdu Ya Guang Electronic Company Limited, Diodes Technology (Chengdu) Company Limited (DTC) was formed to perform semiconductor manufacturing assembly and test functions, and is an expansion of the Company's existing manufacturing presence in China. Ramp to high volume production began in May of 2011.</p> <p>In addition, for part numbers marked with (*) in Table 1, Diodes has qualified Copper bond wire at Diodes SKE/DSH (Shanghai Kaihong Electronic Co./Diodes Inc. Shanghai) Assembly &amp; Test Sites.</p> <p>Full electrical characterization and high reliability testing has been completed on representative part numbers built using Copper bond wire to ensure there is no change to device functionality or electrical specifications in the datasheet. Part marking will be as follows:</p>				
				<p>K = SAT (Shanghai Assembly / Test site)                      C = CAT (Chengdu Assembly / Test site)                      xx = Product Type Marking Code per device data sheet                      YM = Date Code Marking                      Y = Year (ex: Y = 2011)                      M = Month (ex: 8 = August)</p>
<b>IMPACT</b>				
<p>Continuity of Supply. No change in datasheet parameters and product performance. Compared to Gold, Copper wire has quality and reliability advantages:</p> <ul style="list-style-type: none"> <li>- Copper is more resistant to wire sweep during molding</li> <li>- Copper has lower electrical resistivity and higher thermal conductivity</li> <li>- Copper has higher current carrying capacity</li> <li>- Copper has slower intermetallic growth which improves temperature dependent reliability.</li> </ul>				
<b>PRODUCTS AFFECTED</b>				
Please refer to Table 1 below.				



---

WEB LINKS	
<b>Manufacturer's Notice:</b>	<a href="http://www.diodes.com/quality/pcns">http://www.diodes.com/quality/pcns</a>
<b>For More Information Contact:</b>	<a href="http://www.diodes.com/contacts">http://www.diodes.com/contacts</a>
<b>Data Sheet:</b>	<a href="http://www.diodes.com/products">http://www.diodes.com/products</a>
DISCLAIMER	
<b>Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.</b>	



**Table 1 - PCN 2070 Affected Parts List**

AZ23C10-7-F *	BAS40-06-7-F *	BZX84C3V9-7-F	DDZX22D-7	DZ23C22-7-F *	MMBZ5227B-7-F
AZ23C11-7-F *	BAS40-7-F *	BZX84C43-7-F	DDZX24C-13	DZ23C24-7-F *	MMBZ5228B-7-F
AZ23C12-7-F *	BAS70-04-7-F *	BZX84C47-7-F	DDZX24C-7	DZ23C27-7-F *	MMBZ5229B-7-F
AZ23C13-7-F *	BAS70-05-7-F *	BZX84C4V3-7-F	DDZX27D-13	DZ23C2V7-7-F *	MMBZ5230B-7-F
AZ23C15-7-F *	BAS70-06-7-F *	BZX84C4V7-13-F	DDZX27D-7	DZ23C30-7-F *	MMBZ5231B-7-F
AZ23C16-7-F *	BAS70-7-F *	BZX84C4V7-7-F	DDZX30D-13	DZ23C33-7-F *	MMBZ5232B-7-F
AZ23C18-7-F *	BAT54-13-F *	BZX84C51-7-F	DDZX30D-7	DZ23C36-7-F *	MMBZ5233B-7-F
AZ23C20-13-F *	BAT54-7-F	BZX84C5V1-13-F	DDZX33-13	DZ23C39-7-F *	MMBZ5234B-7-F
AZ23C20-7-F *	BAT54A-13-F *	BZX84C5V1-7-F	DDZX33-7	DZ23C3V0-7-F *	MMBZ5235B-7-F
AZ23C22-7-F *	BAT54A-7-F	BZX84C5V6-7-F	DDZX36-13	DZ23C3V3-7-F *	MMBZ5236B-7-F
AZ23C24-7-F *	BAT54C-7-F	BZX84C6V2-13-F	DDZX36-7 *	DZ23C3V6-7-F *	MMBZ5237B-7-F
AZ23C27-7-F *	BAT54S-7-F	BZX84C6V2-7-F	DDZX39F-13	DZ23C3V9-7-F *	MMBZ5238B-7-F
AZ23C2V7-7-F *	BZX84C10-13-F	BZX84C6V8-13-F	DDZX39F-7	DZ23C43-7-F *	MMBZ5239B-7-F
AZ23C30-7-F *	BZX84C10-7-F	BZX84C6V8-7-F	DDZX43-13	DZ23C47-7-F *	MMBZ5240B-7-F
AZ23C33-7-F *	BZX84C11-7-F	BZX84C7V5-7-F	DDZX43-7	DZ23C4V3-7-F *	MMBZ5241B-7-F
AZ23C36-13-F *	BZX84C12-13-F	BZX84C8V2-13-F	DDZX5V1B-13	DZ23C4V7-7-F *	MMBZ5242B-7-F
AZ23C36-7-F *	BZX84C12-7-F	BZX84C8V2-7-F	DDZX5V1B-7	DZ23C51-7-F *	MMBZ5243B-7-F
AZ23C39-7-F *	BZX84C13-7-F	BZX84C9V1-7-F	DDZX5V6B-13	DZ23C5V1-7-F *	MMBZ5244B-7-F
AZ23C3V0-7-F *	BZX84C15-7-F	DDZX10C-13	DDZX5V6B-7	DZ23C5V6-7-F *	MMBZ5245B-7-F
AZ23C3V3-7-F *	BZX84C16-7-F	DDZX10C-7	DDZX6V2B-13	DZ23C6V2-7-F *	MMBZ5246B-7-F
AZ23C3V6-7-F *	BZX84C18-7-F	DDZX11C-13	DDZX6V2B-7	DZ23C6V8-7-F *	MMBZ5248B-7-F
AZ23C3V9-7-F *	BZX84C20-13-F	DDZX11C-7	DDZX6V8C-13	DZ23C7V5-7-F *	MMBZ5250B-7-F
AZ23C43-7-F *	BZX84C20-7-F	DDZX12C-13	DDZX6V8C-7	DZ23C8V2-7-F *	MMBZ5251B-7-F
AZ23C47-7-F *	BZX84C22-7-F	DDZX12C-7 *	DDZX7V5C-13	DZ23C9V1-7-F *	MMBZ5252B-7-F
AZ23C4V3-7-F *	BZX84C24-7-F	DDZX13B-13	DDZX7V5C-7 *	MMBZ10VAL-7-F *	MMBZ5254B-7-F
AZ23C4V7-7-F *	BZX84C27-7-F	DDZX13B-7	DDZX8V2C-13	MMBZ15VAL-7-F *	MMBZ5255B-7-F
AZ23C51-7-F *	BZX84C2V4-7-F	DDZX14-13	DDZX8V2C-7 *	MMBZ15VDL-7-F *	MMBZ5256B-7-F
AZ23C5V1-13-F *	BZX84C2V7-13-F	DDZX14-7	DDZX9V1C-13	MMBZ18VAL-7-F *	MMBZ5257B-7-F
AZ23C5V1-7-F *	BZX84C2V7-7-F	DDZX15-13	DDZX9V1C-7	MMBZ20VAL-7-F *	MMBZ5258B-7-F
AZ23C5V6-7-F *	BZX84C30-7-F	DDZX15-7	DZ23C10-7-F *	MMBZ27VAL-7-F *	MMBZ5259B-7-F
AZ23C6V2-7-F *	BZX84C33-13-F	DDZX16-13	DZ23C11-7-F *	MMBZ27VCL-7-F *	MMBZ5V6AL-7-F *
AZ23C6V8-7-F *	BZX84C33-7-F	DDZX16-7	DZ23C12-7-F *	MMBZ33VAL-7-F *	MMBZ6V2AL-7-F *
AZ23C7V5-7-F *	BZX84C36-7-F	DDZX18C-13	DZ23C13-7-F *	MMBZ5221B-7-F	MMBZ6V8AL-7-F *
AZ23C8V2-7-F *	BZX84C39-7-F	DDZX18C-7	DZ23C15-7-F *	MMBZ5222B-7-F	MMBZ9V1AL-13-F *
AZ23C9V1-7-F *	BZX84C3V0-7-F	DDZX20C-13	DZ23C16-7-F *	MMBZ5223B-7-F	MMBZ9V1AL-7-F *
BAS40-04-7-F *	BZX84C3V3-7-F	DDZX20C-7	DZ23C18-7-F *	MMBZ5225B-7-F	
BAS40-05-7-F *	BZX84C3V6-7-F	DDZX22D-13	DZ23C20-7-F *	MMBZ5226B-7-F	