



DATE: 1st March, 2018

PCN #: 2299

PCN Title: Additional Qualified Assembly and Test (A/T) Site

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-2299 REV 1

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
1 st March, 2018	1 st June, 2018	Analog Semiconductors	Additional A/T Site	2299
TITLE				
Additional Qualified (A/T) Assembly Test Site				
DESCRIPTION OF CHANGE				
This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes has qualified additional Diodes Internal A/T Site (CAT) in Chengdu, China. Full electrical characterization and high reliability testing has been completed on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet. See attached (embedded) qualification report.				
IMPACT				
Continuity of Supply. No change in data sheet electrical parameters and product performance. Some packages will have top marking changes as outlined in the tables 4-7 below.				
PRODUCTS AFFECTED				
Please see the attached part lists below in following Tables: Table 1 - Qualify Additional AT Source (CAT) Diodes Incorporated / Chengdu, China with Au to Cu wire change and BOM change. Table 2 - Qualify Additional AT Source (CAT) Diodes Incorporated / Chengdu, China with Cu to PdCu wire change and BOM change. Table 3 - Qualify Additional AT Source (CAT) Diodes Incorporated / Chengdu, China with BOM change only. Table 4 - Mark Code Format - DFN1006 Package Table 5 - Mark Code Format – DFN0603 Package Table 6 - Mark Code Format – DFN0808 Package Table 7 - Mark Code Format – DFN1010 Package				
WEB LINKS				
Manufacturer's Notice:	https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/			
For More Information Contact:	http://www.diodes.com/contacts			
Data Sheet:	http://www.diodes.com/products			
DISCLAIMER				
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.				



Table 1 - Qualify Additional AT Source (CAT) Diodes Incorporated / Chengdu, China with Au to Cu wire change and BOM change

2DA1774QLP-7	74AUP1G14FW4-7	74LVC1G08FW4-7	74LVC2G06FW5-7	DDTA144ELP-7	DP0150ALP4-7B
2DA1774QLP-7B	74AUP1G14FW5-7	74LVC1G08FW5-7	74LVC2G07FW4-7	DDTA144ELP-7B	DP0150BLP4-7B
2DC4617QLP-7	74AUP1G17FS3-7	74LVC1G10FW4-7	74LVC2G07FW5-7	DESD5V0S1BLD-7B	DSS2515M-7
74AUP1G00FS3-7	74AUP1G17FW4-7	74LVC1G11FW4-7	74LVC2G14FW4-7	DESD6V8DLP-7	DSS2515M-7B
74AUP1G00FW4-7	74AUP1G17FW5-7	74LVC1G125FS3-7	74LVC2G14FW5-7	DMN21D2UFB-7	DSS2540M-7
74AUP1G00FW5-7	74AUP1G32FS3-7	74LVC1G125FW4-7	74LVC2G17FW4-7	DMN21D2UFB-7B	DSS2540M-7B
74AUP1G02FS3-7	74AUP1G32FW4-7	74LVC1G125FW5-7	74LVC2G17FW5-7	DMN2300UFB4-7B	DSS3515M-7
74AUP1G02FW4-7	74AUP1G32FW5-7	74LVC1G126FS3-7	74LVC2G34FW4-7	DMN2500UFB4-7	DSS3515M-7B
74AUP1G02FW5-7	74AUP1G34FS3-7	74LVC1G126FW4-7	74LVC2G34FW5-7	DMN2500UFB4-7B	DSS3540M-7
74AUP1G04FS3-7	74AUP1G34FW4-7	74LVC1G126FW5-7	BAS40LP-7	DMN2501UFB4-7	DSS3540M-7B
74AUP1G04FW4-7	74AUP1G34FW5-7	74LVC1G14FS3-7	BAS40LP-7B	DMN2501UFB4-7B	MMBT2222ALP4-7B
74AUP1G04FW5-7	74AUP1G86FS3-7	74LVC1G14FW4-7	BAS70LP-7B	DMN26D0UFB4-7	MMBT3904LP-7
74AUP1G06FS3-7	74AUP1G86FW4-7	74LVC1G17FS3-7	BAT54LP-7	DMN26D0UFB4-7B	MMBT3906LP-7
74AUP1G06FW4-7	74AUP1G86FW5-7	74LVC1G17FW4-7	BAT54LP-7B	DMN32D2LFB4-7	MMBT3906LP-7B
74AUP1G06FW5-7	74AVC1T45FW5-7	74LVC1G32FS3-7	BAT54LPS-7	DMN32D2LFB4-7B	SBR0220LP-7
74AUP1G07FS3-7	74LVC1G00FS3-7	74LVC1G32FW4-7	BC847BLP4-7	DMN3730UFB4-7	SBR0240LP-7
74AUP1G07FW4-7	74LVC1G00FW4-7	74LVC1G32FW5-7	BC847BLP4-7B	DMN3730UFB4-7B	SBR02M30LP-7
74AUP1G07FW5-7	74LVC1G00FW5-7	74LVC1G34FS3-7	BC847BLP-7	DMP210DUFB4-7	SBR02U100LP-7
74AUP1G08FS3-7	74LVC1G02FS3-7	74LVC1G34FW4-7	BC847BLP-7B	DMP210DUFB4-7B	SBR02U100LP-7B
74AUP1G08FW4-7	74LVC1G02FW4-7	74LVC1G34FW5-7	BC857BLP4-7	DMP21D0UFB4-7B	SBR02U30LP-7
74AUP1G08FW5-7	74LVC1G02FW5-7	74LVC1G57FW4-7	BC857BLP4-7B	DMP21D0UFB4-7R	SBR05U20LP-7
74AUP1G09FS3-7	74LVC1G04FS3-7	74LVC1G57FW5-7	BC857BLP-7	DMP21D0UFB-7B	SBR05U20LP-7B
74AUP1G09FW4-7	74LVC1G04FW4-7	74LVC1G58FW4-7	BC857BLP-7B	DMP21D5UFB4-7B	SBR05U20LPS-7
74AUP1G09FW5-7	74LVC1G04FW5-7	74LVC1G86FS3-7	D1213A-01LP4-7B	DMP31D0UFB4-7B	SBR07U20LP-7
74AUP1G125FS3-7	74LVC1G06FS3-7	74LVC1G86FW4-7	D1213A-01LP-7B	DMP58D0LFB-7	SBR07U20LPS-7
74AUP1G125FW4-7	74LVC1G06FW4-7	74LVC1G86FW5-7	D5V0L1B2LP3-7	DMP58D0LFB-7B	SBRT05U20LPS-7B
74AUP1G125FW5-7	74LVC1G06FW5-7	74LVC1G97FW4-7	D5V0L1B2LP4-7B	DN0150ALP4-7	SDM02M30LP3-7B
74AUP1G126FS3-7	74LVC1G07FS3-7	74LVC1G98FW4-7	DDTA113ZLP-7	DN0150ALP4-7B	SDM02U30LP3-7B
74AUP1G126FW4-7	74LVC1G07FW4-7	74LVC2G04FW4-7	DDTA113ZLP-7B	DN0150BLP4-7	SDM10U45LP-7
74AUP1G126FW5-7	74LVC1G07FW5-7	74LVC2G04FW5-7	DDTA114YLP-7	DN0150BLP4-7B	SDM20U30LP-7
74AUP1G14FS3-7	74LVC1G08FS3-7	74LVC2G06FW4-7	DDTA114YLP-7B	DP0150ALP4-7	



Table 2 - Qualify Additional AT Source (CAT) Diodes Incorporated / Chengdu, China with Cu to PdCu wire change and BOM change

2DC4617QLP-7B	AP7340-30FS4-7	AP7341-12FS4-7	AP7341D-285FS4-7	DESD5V0S1BL-7B	DMN3484UFB-7B
74AUP2G04FW4-7	AP7340-31FS4-7	AP7341-135FS4-7	AP7341D-28FS4-7	DESD5V0S1BLP3-7	DMN3730UFB-7
74AUP2G06FW4-7	AP7340-32FS4-7	AP7341-15FS4-7	AP7341D-295FS4-7	DESD5V0U1BL-7B	DMN3730UFB-7B
74AUP2G07FW4-7	AP7340-33FS4-7	AP7341-185FS4-7	AP7341D-30FS4-7	DESDALC14V2LP3-7	DMN62D0LFB-7
74AUP2G14FW4-7	AP7340D-11FS4-7	AP7341-18FS4-7	AP7341D-31FS4-7	DESDALC5LP-7B	DMN62D0LFB-7B
74AUP2G17FW4-7	AP7340D-12FS4-7	AP7341-22FS4-7	AP7341D-32FS4-7	DMN1045UFR4-7	DMN62D1SFB-7B
74AUP2G3404FW4-7	AP7340D-135FS4-7	AP7341-25FS4-7	AP7341D-33FS4-7	DMN1150UFB-7B	DMN65D8LFB-7
74AUP2G34FW4-7	AP7340D-15FS4-7	AP7341-285FS4-7	BC846BLP4-7B	DMN2005LP4K-7	DMN65D8LFB-7B
74LVC1T45FW4-7	AP7340D-185FS4-7	AP7341-28FS4-7	D12V0H1U2LP-7B	DMN2005LP4K-7B	DMP1200UFR4-7
AP7340-11FS4-7	AP7340D-18FS4-7	AP7341-295FS4-7	D12V0L1B2LP-7B	DMN2005LPK-7	DMP32D4SFB-7B
AP7340-12FS4-7	AP7340D-22FS4-7	AP7341-30FS4-7	D18V0L1B2LP-7B	DMN2005LPK-7B	DMP32D5SFB-7B
AP7340-135FS4-7	AP7340D-23FS4-7	AP7341-31FS4-7	D5V0F1U2LP3-7	DMN2250UFB-7B	DMP56D0UFB-7
AP7340-15FS4-7	AP7340D-25FS4-7	AP7341-32FS4-7	D5V0F1U2LP-7B	DMN2300UFB-7	DMP56D0UFB-7B
AP7340-185FS4-7	AP7340D-26FS4-7	AP7341-33FS4-7	D5V0F2U3LP-7B	DMN2300UFB-7B	DP0150BLP4-7
AP7340-18FS4-7	AP7340D-285FS4-7	AP7341D-11FS4-7	D5V0L1B2LP-7B	DMN2400UFB4-7	DRTR5V0U1LP-7B
AP7340-22FS4-7	AP7340D-28FS4-7	AP7341D-12FS4-7	D5V0M1B2LP-7B	DMN2400UFB4-7B	MMBT3904LP-7B
AP7340-23FS4-7	AP7340D-295FS4-7	AP7341D-135FS4-7	D5V0P1B2LP3-7	DMN2400UFB4-7R	SBRT05U10LP-7B
AP7340-25FS4-7	AP7340D-30FS4-7	AP7341D-15FS4-7	D5V0P1B2LP-7B	DMN2400UFB-7	SBRT05U20LP-7B
AP7340-26FS4-7	AP7340D-31FS4-7	AP7341D-185FS4-7	D5V0Q1B2LP3-7	DMN2400UFB-7B	ZXTN3035CLP-7B
AP7340-285FS4-7	AP7340D-32FS4-7	AP7341D-18FS4-7	D5V0X1B2LP-7B	DMN2600UFB-7	
AP7340-28FS4-7	AP7340D-33FS4-7	AP7341D-22FS4-7	DESD3V3S1BL-7B	DMN2600UFB-7B	
AP7340-295FS4-7	AP7341-11FS4-7	AP7341D-25FS4-7	DESD3V3S1BLP3-7	DMN2990UFB-7B	



Table 3 - Qualify Additional AT Source (CAT) Diodes Incorporated / Chengdu, China with BOM change only

AP7315-11FS4-7B	AP7315D-295FS4-7B	AP7340D-22FS4-7R	AP7341D-15FS4-7R	AP7343-33FS4-7B	AP7343D-33FS4-7B
AP7315-12FS4-7B	AP7315D-29FS4-7B	AP7340D-23FS4-7R	AP7341D-185FS4-7R	AP7343D-09FS4-7B	AP7343D-34FS4-7B
AP7315-135FS4-7B	AP7315D-30FS4-7B	AP7340D-25FS4-7R	AP7341D-18FS4-7R	AP7343D-105FS4-7B	AP7343D-35FS4-7B
AP7315-15FS4-7B	AP7315D-31FS4-7B	AP7340D-26FS4-7R	AP7341D-22FS4-7R	AP7343D-10FS4-7B	AP7343D-36FS4-7B
AP7315-185FS4-7B	AP7315D-32FS4-7B	AP7340D-285FS4-7R	AP7341D-25FS4-7R	AP7343D-11FS4-7B	D10V0H1U2LP-7B
AP7315-18FS4-7B	AP7315D-33FS4-7B	AP7340D-28FS4-7R	AP7341D-285FS4-7R	AP7343D-12FS4-7B	D15V0M1U2LP3-7
AP7315-22FS4-7B	AP7340-11FS4-7R	AP7340D-295FS4-7R	AP7341D-28FS4-7R	AP7343D-135FS4-7B	D20V0L1B2LP-7B
AP7315-23FS4-7B	AP7340-12FS4-7R	AP7340D-30FS4-7R	AP7341D-295FS4-7R	AP7343D-13FS4-7B	D24V0L1B2LP-7B
AP7315-25FS4-7B	AP7340-135FS4-7R	AP7340D-31FS4-7R	AP7341D-30FS4-7R	AP7343D-14FS4-7B	D25V0S1B2LP-7B
AP7315-26FS4-7B	AP7340-15FS4-7R	AP7340D-32FS4-7R	AP7341D-31FS4-7R	AP7343D-15FS4-7B	D3V3H1B2LP-7B
AP7315-285FS4-7B	AP7340-185FS4-7R	AP7340D-33FS4-7R	AP7341D-32FS4-7R	AP7343D-16FS4-7B	D3V3H1U2LP-7B
AP7315-28FS4-7B	AP7340-18FS4-7R	AP7341-11FS4-7R	AP7341D-33FS4-7R	AP7343D-17FS4-7B	D3V3L1B2LP3-7
AP7315-295FS4-7B	AP7340-22FS4-7R	AP7341-12FS4-7R	AP7343-09FS4-7B	AP7343D-185FS4-7B	D3V3M1U2LP3-7
AP7315-30FS4-7B	AP7340-23FS4-7R	AP7341-135FS4-7R	AP7343-105FS4-7B	AP7343D-18FS4-7B	D3V3Q1B2LP3-7
AP7315-31FS4-7B	AP7340-25FS4-7R	AP7341-15FS4-7R	AP7343-10FS4-7B	AP7343D-19FS4-7B	D5V0H1B2LP-7B
AP7315-32FS4-7B	AP7340-26FS4-7R	AP7341-185FS4-7R	AP7343-11FS4-7B	AP7343D-20FS4-7B	D5V0H1U2LP-7B
AP7315-33FS4-7B	AP7340-285FS4-7R	AP7341-18FS4-7R	AP7343-12FS4-7B	AP7343D-21FS4-7B	D5V0M1U2LP3-7
AP7315D-11FS4-7B	AP7340-28FS4-7R	AP7341-22FS4-7R	AP7343-135FS4-7B	AP7343D-22FS4-7B	D5V0M2B3LP-7B
AP7315D-12FS4-7B	AP7340-295FS4-7R	AP7341-25FS4-7R	AP7343-15FS4-7B	AP7343D-23FS4-7B	D6V3H1U2LP-7B
AP7315D-135FS4-7B	AP7340-30FS4-7R	AP7341-285FS4-7R	AP7343-185FS4-7B	AP7343D-25FS4-7B	D8V0L1B2LP3-7
AP7315D-15FS4-7B	AP7340-31FS4-7R	AP7341-28FS4-7R	AP7343-18FS4-7B	AP7343D-26FS4-7B	D8V0L1B2LP-7B
AP7315D-185FS4-7B	AP7340-32FS4-7R	AP7341-295FS4-7R	AP7343-22FS4-7B	AP7343D-27FS4-7B	DESD12V0S1B1L-7B
AP7315D-18FS4-7B	AP7340-33FS4-7R	AP7341-30FS4-7R	AP7343-25FS4-7B	AP7343D-285FS4-7B	DMN2320UFB4-7B
AP7315D-22FS4-7B	AP7340D-11FS4-7R	AP7341-31FS4-7R	AP7343-285FS4-7B	AP7343D-28FS4-7B	T5V0DLP-7B
AP7315D-23FS4-7B	AP7340D-12FS4-7R	AP7341-32FS4-7R	AP7343-28FS4-7B	AP7343D-295FS4-7B	
AP7315D-25FS4-7B	AP7340D-135FS4-7R	AP7341-33FS4-7R	AP7343-295FS4-7B	AP7343D-29FS4-7B	
AP7315D-26FS4-7B	AP7340D-15FS4-7R	AP7341D-11FS4-7R	AP7343-30FS4-7B	AP7343D-30FS4-7B	
AP7315D-285FS4-7B	AP7340D-185FS4-7R	AP7341D-12FS4-7R	AP7343-31FS4-7B	AP7343D-31FS4-7B	
AP7315D-28FS4-7B	AP7340D-18FS4-7R	AP7341D-135FS4-7R	AP7343-32FS4-7B	AP7343D-32FS4-7B	

Table 4-Mark Code Format - DFN1006 Package


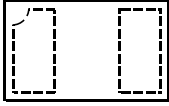

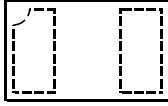

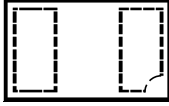



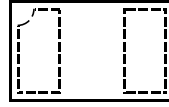

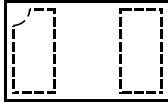

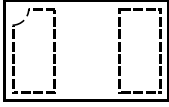

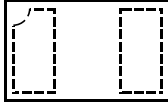

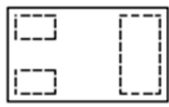

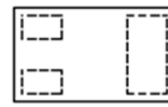

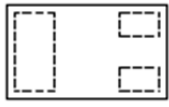

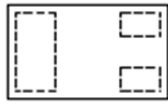
SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China) Add “-” on first character for CAT site
Marking orientation photo (Plan Form, Perspective - from top to bottom) DFN1006-2, DFN1006H4-2	Marking orientation photo (Plan Form, Perspective - from top to bottom) DFN1006-2, DFN1006H4-2
1. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation	1. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation
 (Top)  (Perspective)	 (Top)  (Perspective)
2. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation	2. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation
 (Top)  (Perspective)	 (Top)  (Perspective)
3. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation	3. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation
 (Top)  (Perspective)	 (Top)  (Perspective)
4. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation	4. DFN1006-2, DFN1006H4-2, -7,-7B suffix marking orientation
 (Top)  (Perspective)	 (Top)  (Perspective)
DFN1006-3	DFN1006-3
1.DFN1006-3,DFN1006H4-3, -7B suffix marking orientation	1.DFN1006-3,DFN1006H4-3, -7B suffix marking orientation
 (Top)  (Perspective)	 (Top)  (Perspective)
2.DFN1006-3,DFN1006H4-3, -7B suffix marking orientation	2.DFN1006-3,DFN1006H4-3, -7B suffix marking orientation
 (Top)  (Perspective)	 (Top)  (Perspective)

Table 5-Mark Code Format – DFN0603 Package

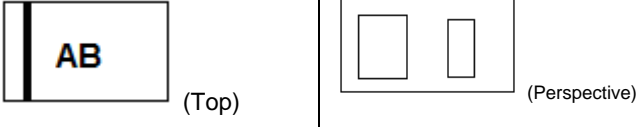
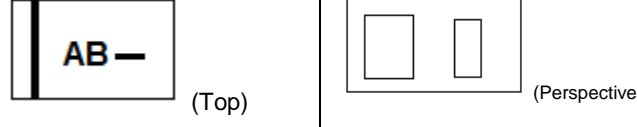
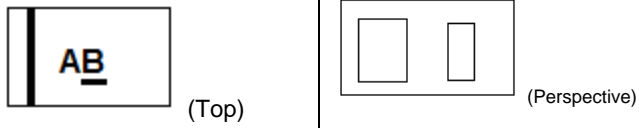
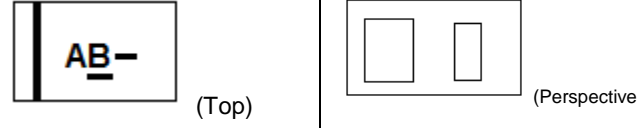
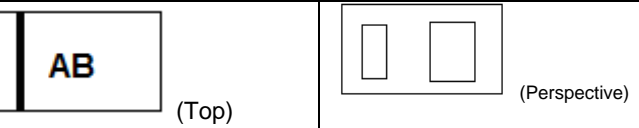
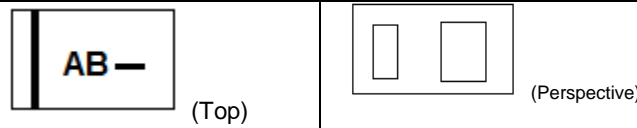
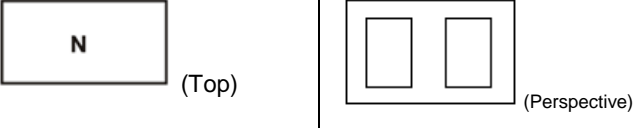
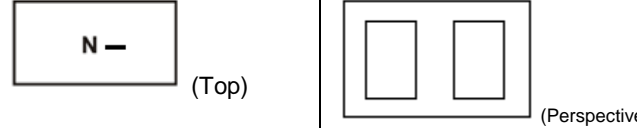

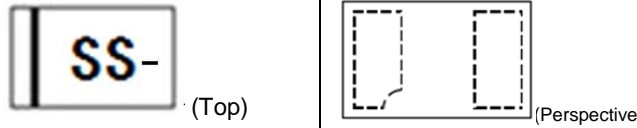
SAT (Diodes Internal AT site Shanghai, China)		CAT (Diodes Internal AT Site Chengdu, China) Add “-” at the right side of the last character for CAT site	
Marking orientation photo (Plan Form, Perspective - from top to bottom)		Marking orientation photo (Plan Form, Perspective - from top to bottom)	
DFN0603H3-2		DFN0603H3-2	
1. Cathode marked on the larger pad side		1. Cathode marked on the larger pad side	
			
2. Cathode marked on the larger pad side		2. Cathode marked on the larger pad side	
			
3. Cathode marked on the smaller pad side D5V0F1U2LP3-7,D3V3M1U2LP3-7		3. Cathode marked on the smaller pad side D5V0F1U2LP3-7,D3V3M1U2LP3-7	
			
4. Marking has no polarity and orientation request		4. Marking has no polarity and orientation request	
			
5. Marking has no polarity request but has orientation request		5. Marking has no polarity request but has orientation request	
			

Table 6-Mark Code Format – DFN0808 Package

SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China)																																																
Marking orientation photo (Plan Form, Perspective, from top to bottom)	Marking orientation photo (Plan Form, Perspective - from top to bottom)																																																
DFN0808-4	DFN0808-4																																																
1. Marking has date code	1. Marking has date code																																																
SAT Internal code	CAT Internal code																																																
<table border="1"> <thead> <tr> <th></th> <th>Sun</th> <th>Mon</th> <th>Tue</th> <th>Wed</th> <th>Thu</th> <th>Fri</th> <th>Sat</th> </tr> </thead> <tbody> <tr> <td>G</td> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> <td>G</td> </tr> <tr> <td>L</td> <td>a</td> <td>b</td> <td>c</td> <td>d</td> <td>e</td> <td>f</td> <td>g</td> </tr> </tbody> </table>		Sun	Mon	Tue	Wed	Thu	Fri	Sat	G	A	B	C	D	E	F	G	L	a	b	c	d	e	f	g	<table border="1"> <thead> <tr> <th></th> <th>Sun</th> <th>Mon</th> <th>Tue</th> <th>Wed</th> <th>Thu</th> <th>Fri</th> <th>Sat</th> </tr> </thead> <tbody> <tr> <td>G</td> <td>T</td> <td>U</td> <td>V</td> <td>W</td> <td>X</td> <td>Y</td> <td>Z</td> </tr> <tr> <td>L</td> <td>t</td> <td>u</td> <td>v</td> <td>w</td> <td>x</td> <td>y</td> <td>z</td> </tr> </tbody> </table>		Sun	Mon	Tue	Wed	Thu	Fri	Sat	G	T	U	V	W	X	Y	Z	L	t	u	v	w	x	y	z
	Sun	Mon	Tue	Wed	Thu	Fri	Sat																																										
G	A	B	C	D	E	F	G																																										
L	a	b	c	d	e	f	g																																										
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G	T	U	V	W	X	Y	Z																																										
L	t	u	v	w	x	y	z																																										

Table 7-Mark Code Format – DFN1010 Package

SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China)
Marking orientation photo(plan form, perspective - from top to bottom)	Marking orientation photo(plan form, perspective - from top to bottom)
DFN1010H4-4	DFN1010H4-4
1. Marking has date code	1. Marking has date code
DFN1010H4-6	DFN1010H4-6 DFN1010H4-6
1. Marking has date code	1. Marking has date code
DFN1010H4B-4	DFN1010H4B-4
1. Marking has date code	1. Marking has date code
DFN1010H4-3	DFN1010H4-3
1. Marking has date code	1. Marking has date code