



THE DATASHEET OF GA3092-ALC





Notice Title: **GigaDevice Logo Change Notification**

Notice Record Number: GD-PCN-00160

Notice Date: Dec. 18th, 2019

Notice Type: Major

Affected Product(s): All GigaDevice Products

Change Subject:

GigaDevice has initiated the company logo change as a rebranding process.

Effective Date of New Logo Change: Apr. 6th, 2020

Description of Change(s):

GigaDevice is providing this notification as our intent to change the company logo. This change is part of the rebranding efforts from GigaDevice. It will result in the changes of the topside marking on most products as well as the changes of all shipping cartons and labels. The conversion to the new product topside markings, shipping cartons and labels will be a gradual transition until the existing inventories are used up. Customers can identify it by the date code 'XX2015'. There could be mixed shipment of products with new and old topside markings, shipping cartons and labels during the transition period, which is targeted to end before December 31, 2020. All product specifications, functionalities, performance, and package dimensions remain unchanged and are not affected by this update. The images of the current and new logos on various markings and labels are shown below.

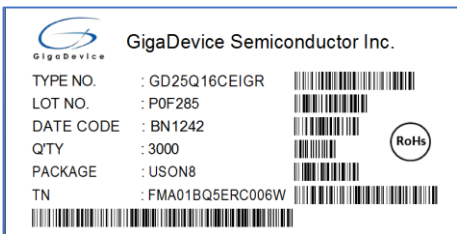





Carton Logo:

Features	Current	New
Company Logo		

Note:

- Physical dimensions and properties of the cartons are unchanged.
- Please contact us for detailed layout and/or dimensions of a carton or cartons.







Shipping Labels:






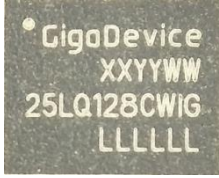
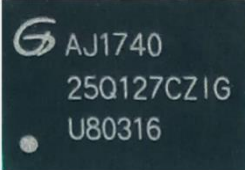

Features		Current	New
Single Batch	Example		
	Label Size	100mmx50mm	As is
	Label Information	TYPE NO.	Format change to "Part No."
		LOT NO.	Format change to "Lot No."
		DATE CODE	Format change to "Date Code"
		Q'TY	Format change to "Qty"
		PACKAGE	Removed from new label
		TN	As is
			
		N/A	Add Halogen Free mark 
N/A	Add QR code 2D mark 		
N/A	Add "Origin"		
N/A	Add "Batch No"		

Topside Marking:

Topside markings on most of the GigaDevice products will now carry the new logo in the format listed below, depending on the package type and size. Customized markings which utilize the current GigaDevice logo will also transition to the new ones. The images of the current and new markings for the Flash and MCU product groups are shown as follows.

Flash Memory Product Group

Features		Current	New
I. Package Size < 2x2mm Affected PKG type - PKG Code: USON8 1.5x1.5mm – K (P10)	Marking Line 1	Value of CPN	CPN Brevity Code
	Marking Line 2	DC=YYWW	As is
	Example		
II. 2x2mm < Package Size < 3x3mm Affected PKG type - PKG Code: USON8 3x2x0.45mm - E USON8 3x2x0.55mm - U LGA8 3x2mm - 8		Current logo “G”	CPN(code 1)
	Marking Line 1	DC=YYWW	CPN Brevity Code
	Marking Line 2	Value of CPN	DC=YYWW
	Example		
III. Package Size = 3x3mm Affected PKG type - PKG Code: USON8 3x3x0.55mm - H		Current logo “G”	N/A
	Marking Line 1	DC=XXYYWW	CPN (code 1-3)
	Marking Line 2	CPN (code 2-6)	CPN (code 4-6)
	Marking Line 3	N/A	DC=XXYYWW
	Example		


IV. 3x3mm < Package Size <5x5mm-USON Affected PKG type - PKG Code: USON8 3x4mm -N USON8 4x4mm - Q		Current logo "G"	N/A
	Marking Line 1	DC=XXYYWW	CPN (code 1-3)
	Marking Line 2	CPN (code 2-5)	CPN (code 4-6)
	Marking Line 3	Lot ID	As is
	Marking Line 4	N/A	DC=XXYYWW
	Examples		
V. 3x3mm < Package Size <5x5mm-SOP Affected PKG type - PKG Code: SOP8 150mil - T VSOP8 150mil - M		Current logo "G"	CPN (code 1)
	Marking Line 1	DC=XXYYWW	As is
	Marking Line 2	CPN (code 2-6)	CPN (code 2-8)
	Marking Line 3	Lot ID	As is
	Example		
VI. 5x5mm < Package Size- WSON/LGA Affected PKG type - PKG Code: WSON8 8x6mm - Y WSON8 6x5mm - W LGA8 8x6mm - 9 LGA8 6x5mm - 7		Current logo "G"	New logo "GigaDevice"
	Marking Line 1	DC=XXYYWW	As is
	Marking Line 2	CPN (code 2-8)	As is
	Marking Line 3	Lot ID	As is
	Example		
VI. 5x5mm < Package Size-BGA Affected PKG type - PKG Code: BGA24 6x8mm (BA5x5) - B BGA24 6x8mm (BA4x6) - Z BGA48 6x8mm - D BGA63 9x11mm - L BGA132 12x18mm - J BGA152 14x18mm - H		Current logo "G"	New logo "GigaDevice"
	Marking Line 1	DC=XXYYWW	As is
	Marking Line 2	CPN (code 2-8)	As is
	Marking Line 3	Lot ID	As is
	Example		






VII. 5x5mm < Package Size-SOP Affected PKG type - PKG Code: SOP16 300mil - F DIP8 300mil - P SOP8 208mil - S VSOP8 208mil - V		Current logo "G"	New logo "GigaDevice"
	Marking Line 1	DC=XXYYWW	CPN (code 2-8)
	Marking Line 2	CPN (code 2-8)	Lot ID
	Marking Line 3	Lot ID	DC=XXYYWW
	Example		
VIII. 5x5mm < Package Size-SOP Affected PKG type - PKG Code: TSOP48 - M		Current logo "G"	New logo "GigaDevice"
	Marking Line 1	DC=XXYYWW	As is
	Marking Line 2	CPN (code 2-8)	As is
	Marking Line 3	Lot ID	As is
	Example		
IX. TSSOP8 173mil Affected PKG type - PKG Code: TSSOP8 173mil - O		Current logo "G"	CPN (code 1)
	Marking Line 1	CPN (code 2-4)	CPN Brevity Cod
	Marking Line 2	Lot ID	As is
	Example		

Note:




- For more information on the CPN Brevity Code naming rule, please contact us to get marking specifications for each product.
- For the topside marking change on the other package types not listed above, please contact GigaDevice for more details.

MCU Product Group

Features		Current	New
I. LQFP Series, Package size\geq 7x7mm Affected PKG type - PKG Code: LQFP32 7x7mm - T LQFP48 7x7mm - T LQFP48 10x10mm - W LQFP64 10x10mm - T LQFP64 12x12mm - W LQFP100 14x14mm - T LQFP144 20x20mm - T LQFP176 24x24mm - T	Marking Line 1	CPN code (1-8)	As is
	Marking Line 2	CPN code (9-12)	As is
	Marking Line 3	Lot ID	As is
	Marking Line 4	Date Code	As is
		Logo "G" + <u>ARM</u>	New logo "GigaDevice"
		-	<u>ARM</u>
	Example		
II. LQFP Series, Package size\geq 7x7mm (RISC-V) Affected PKG type - PKG Code: LQFP48 10x10mm - T LQFP64 10x10mm - T LQFP100 14x14mm - T	Marking Line 1	CPN code (1-5)	As is
	Marking Line 2	CPN code (6-13)	As is
	Marking Line 3	Lot ID	As is
	Marking Line 4	Date Code	As is
		Logo "G"	New logo "GigaDevice"
	Example		
III. QFN Series, Package size\geq 7x7mm Affected PKG type - PKG Code: QFN68 7x7mm - U QFN64 8x8mm - U	Marking Line 1	CPN code (1-8)	As is
	Marking Line 2	CPN code (9-12)	As is
	Marking Line 3	Lot ID	As is
	Marking Line 4	Date Code	As is
		Logo "G" + <u>ARM</u>	New logo "GigaDevice"
		-	<u>ARM</u>

	Example		
IV. QFN Series, Package size: 6x6mm Affected PKG type - PKG Code: QFN36 6x6mm - U	Marking Line 1	CPN code (1-8)	As is
	Marking Line 2	CPN code (9-12)	As is
	Marking Line 3	Lot ID	As is
	Marking Line 4	Date Code	As is
		Logo "G" + <u>ARM</u>	"GD" + <u>ARM</u>
	Example		
V. QFN Series(RISC-V), Package size: 6x6mm Affected PKG type - PKG Code: QFN36 6x6mm - U	Marking Line 1	CPN code (1-5)	As is
	Marking Line 2	CPN code (6-13)	As is
	Marking Line 3	Lot ID	As is
	Marking Line 4	Date Code	As is
		Logo "G"	New logo "GigaDevice"
	Example		
VI. QFN Series, Package size: 5x5mm Affected PKG type - PKG Code: QFN32 5x5mm - U	Marking Line 1	CPN code (5-10)	As is
	Marking Line 2	Lot ID	As is
	Marking Line 3	Date Code	As is
		Logo "G" + <u>ARM</u>	"GD" + <u>ARM</u>

	Example		
VII. QFN Series, Package size: 4x4mm Affected PKG type - PKG Code: QFN32 4x4mm - Q QFN28 4x4mm - U	Marking Line 1	CPN code (5-10)	As is
	Marking Line 2	Lot ID	As is
	Marking Line 3	Date Code	As is
		Logo "G"	"GD" + <u>ARM</u>
	Example		
VIII. QFN, LGA Series, Package size: 3x3mm Affected PKG type - PKG Code: QFN24 3x3mm - U LGA20 3x3mm - V		Logo "G"	"GD"
	Marking Line 1	CPN code (5-10)	As is
	Marking Line 2	Date Code	As is
	Example		
IV. BGA Series, Package size ≥ 7x7mm Affected PKG type - PKG Code: BGA100 7x7mm - H BGA201(176) 10x10mm - H	Marking Line 1	CPN code (1-8)	As is
	Marking Line 2	CPN code (9-12)	As is
	Marking Line 3	Lot ID	As is
	Marking Line 4	Date Code	As is
		Logo "G" + <u>ARM</u>	New logo "GigaDevice"
		-	<u>ARM</u>

	Example		
X. BGA Series, Package size: 5x5mm Affected PKG type - PKG Code: BGA64 5x5mm - H	Marking Line 1	CPN code (5-10)	As is
	Marking Line 2	Lot ID	As is
	Marking Line 3	Date Code	As is
		Logo "G" + <u>ARM</u>	"GD" + <u>ARM</u>
	Example		
XI. TSSOP Series Affected PKG type - PKG Code: TSSOP20 173mil - P	Marking Line 1	Full CPN code	As is
	Marking Line 2	Lot ID	As is
	Marking Line 3	Date Code	As is
		Logo "G" + <u>ARM</u>	New logo "GigaDevice" + <u>ARM</u>
	Example		

* PKG Code Index for CPN

< NOR Flash Naming Rule >

GD 55 A 127 F P 2 N R : SG
 1 2 3 4 5 6 7 8 9 10 11

1. GD Prefix	4. Prod Density	7. Temp	10. "-"
2. Prod Family	5. Version	8. Green Code	11. Special Function
3. Prod Series	6. Package Type	9. Packing Type	

< SPI_NAND Naming Rule >

GD 5F 1G Q5 R B 7 2 S R : 00
 1 2 3 4 5 6 7 8 9 10 11 12

1. GD Prefix	4. Prod Series	7. Package Type	10. Packing Type
2. Prod Family	5. Voltage	8. Temp	11. "-"
3. Prod Density	6. Version	9. Green Code	12. Special Function

< PARA_NAND Naming Rule >

GD 9F S DG 6 F 5 A J G 2 0 B
 1 2 3 4 5 6 7 8 9 10 11 12 13

1. GD Prefix	4. Prod Density	7. Function Mode	10. Packing Type	13. Prod Grade
2. Prod Family	5. Organization	8. Process Version	11. Temp	
3. Power Supply	6. NAND Type	9. Package Type	12. Reserved	

< MCU Naming Rule >

GD 32 F 103 V B I 6 XX
 1 2 3 4 5 6 7 8 9

1. GD Prefix	4. Product Series	7. Package Type
2. Device Family	5. Pin Count	8. Temperature
3. Product Type	6. Flash Memory Size	9. Options

Revision History:

Version No	Description	Date
1.0	Initial Release	Dec. 1, 2019
1.1	Update effective date; Add label information; Add package information.	Dec., 18, 2019

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