Manual Update Sheet

TMS320F2823x/TMS320F2833x MicroStar BGA Discontinued and Redesigned



ABSTRACT

This document should be used in conjuction with the device data sheet and describes the updated package designator for the indicated devices.

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Trademarks

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Package Redesign Details www.ti.com

1 Package Redesign Details

Explanation

The devices in the MicroStar BGA[™] packaging were redesigned using a laminate nfBGA package. This nfBGA package offers datasheet-equivalent electrical performance. It is also footprint equivalent to the MicroStar BGA. For more details, please refer to this nfBGA Packaging Application Report.

When referencing the device data sheet, use the new package designator in place of the discontiued package designator throughout the document.

The orderable addendum at the end of the device data sheet will reflect the new package designator.

See the following page or the end of the device data sheet for the updated nfBGA package drawing.

Table 1-1. Package Designator

Old Package Designator	New Package Designator
ZHH	ZAY

Reason for Discontinuance

Due to an equipment End-Of-Life notice from our substrate supplier, we are phasing out certain MicroStar BGA and MicroStar Junior™ BGA packaging devices and offering a Last Time Buy.

These devices have now been converted to an nfBGA package.

Devices Affected

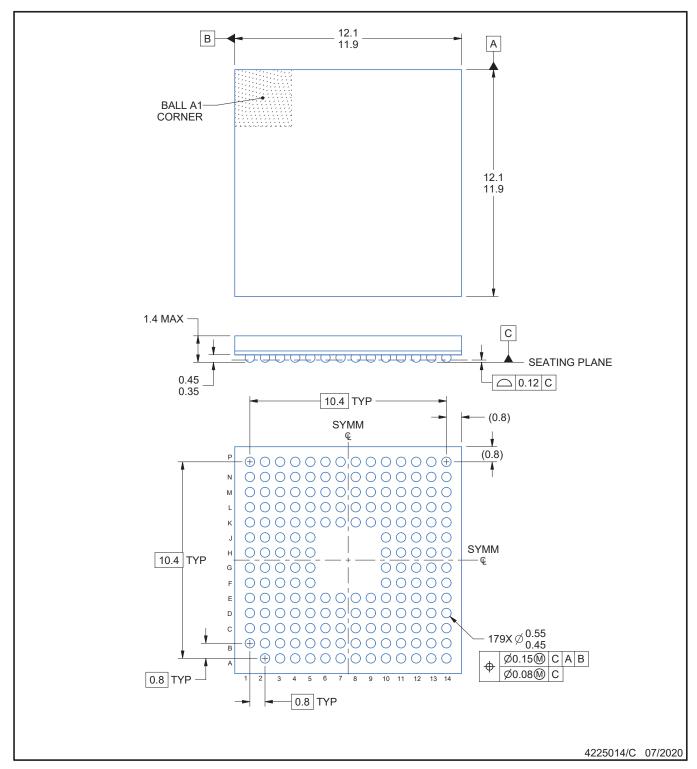
The following table describes the devices affected, the old and new package designators, and references to the device data sheet.

Table 1-2. Devices and Nomenclature

Device	Discontinued MicroStar BGA Device	Redesigned Laminate nfBGA Device	Device Data Sheet
TMS320F2823x	TMS320F28232 ZHH A TMS320F28234 ZHH A	TMS320F28232 ZAY A TMS320F28234 ZAY A	SPRS439
TMS320F2833x	TMS320F28334 ZHH A TMS320F28335 ZHH A	TMS320F28334 ZAY A TMS320F28335 ZAY A	SPRS439



PLASTIC BALL GRID ARRAY

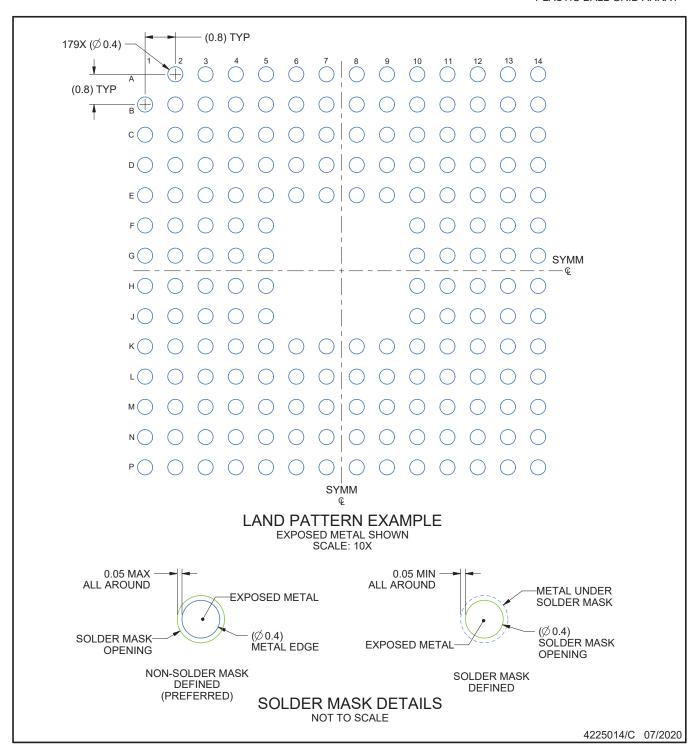


NOTES:

- 1. All linear dimensions are in millimeters. Any dimensions in parenthesis are for reference only. Dimensioning and tolerancing per ASME Y14.5M.
- 2. This drawing is subject to change without notice.



PLASTIC BALL GRID ARRAY

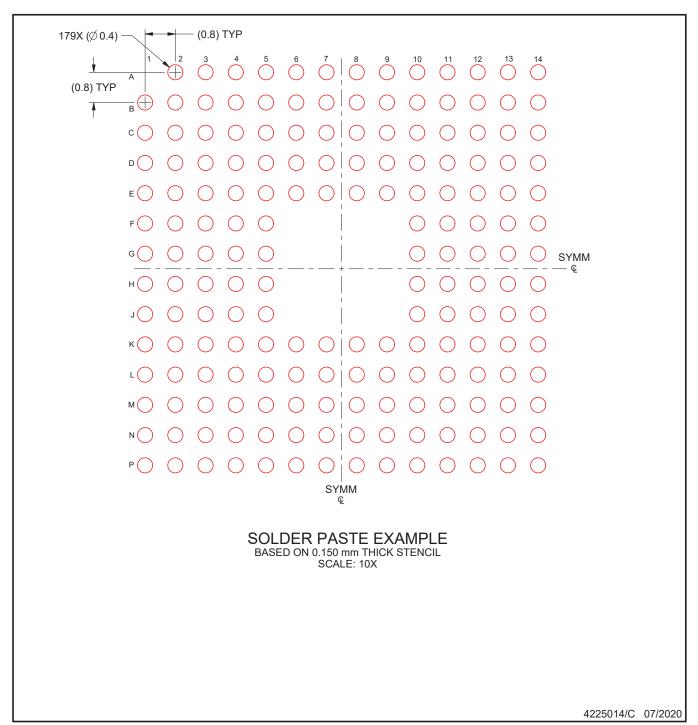


NOTES: (continued)

3. Final dimensions may vary due to manufacturing tolerance considerations and also routing constraints. For information, see Texas Instruments literature number SPRAA99 (www.ti.com/lit/spraa99).



PLASTIC BALL GRID ARRAY



NOTES: (continued)

4. Laser cutting apertures with trapezoidal walls and rounded corners may offer better paste release.



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