

# Product and Process Change Notice

<b>PCN No.</b>	PCN03058	<b>PCN Date</b>	11/9/2022	<b>Effective Date</b>	4/25/2022
<b>Title</b>	<b>BGA Tray Change from UBOT to Hwa Shu</b>				

## Type: Major

Carrier dimensions/configuration (tray) change (JEDEC)

## Reason For Change

Using Manufacturing site preferred JEDEC tray Hwa Shu, primary medium for BGA packaging.

## Affected Products

Part Number	Description	Medium
MR3A16ACMA35	512kx16 48-BGA 3.3V Industrial	Tray
MR3A16AMA35	512kx16 48-BGA 3.3V Commercial	Tray
MR4A08BCMA35	16Mb 2Mx8 48-BGA,3.3V Industrial	Tray
MR4A08BMA35	16Mb 2Mx8 48-BGA,3.3V Commercial	Tray
MR4A16BCMA35	16Mb 1Mx16 48-BGA, 3.3V Industrial	Tray
MR4A16BMA35	16Mb 1Mx16 48-BGA, 3.3V Commercial	Tray
MR5A16ACMA35	32Mb 2Mx16 48-BGA 3.3V Industrial	Tray
MR5A16AMA35	32Mb 2Mx16 48-BGA 3.3V Commercial	Tray
MR5A16AUMA45	32Mb 2Mx16 48-BGA 3.3V Auto Temp	Tray

## Impact on Form, Fit, Function, Quality or Reliability

Impacts tray dimensions/configuration for packaging medium.

## Proposed First Ship Date for Change:

Active in use

## Key Material Differences

Hwa Shu Dimensions –(New) BGA TRAY 10 x 10mm 240 10 x 24 10mm-10x24 See attached below (JEDEC)

Ubot BGA Tray Dimensions – (old) 10x10 184 1.5x8x23 See attached below (JEDEC)

## Product Identifier

Hwa Shu BGA Tray 10x10 mm

## Supplier Qual Plan Schedule and Results

No Qualification required all Everspin requirements met.

## Date Qualification Samples Are Available:

Samples are generally available now but please request your specific part number to your Everspin Sales contact.

## Acceptance of Change (Customer)

**Contact Information**

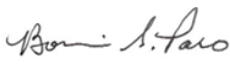



**Sample Information**

**Samples Available Now**

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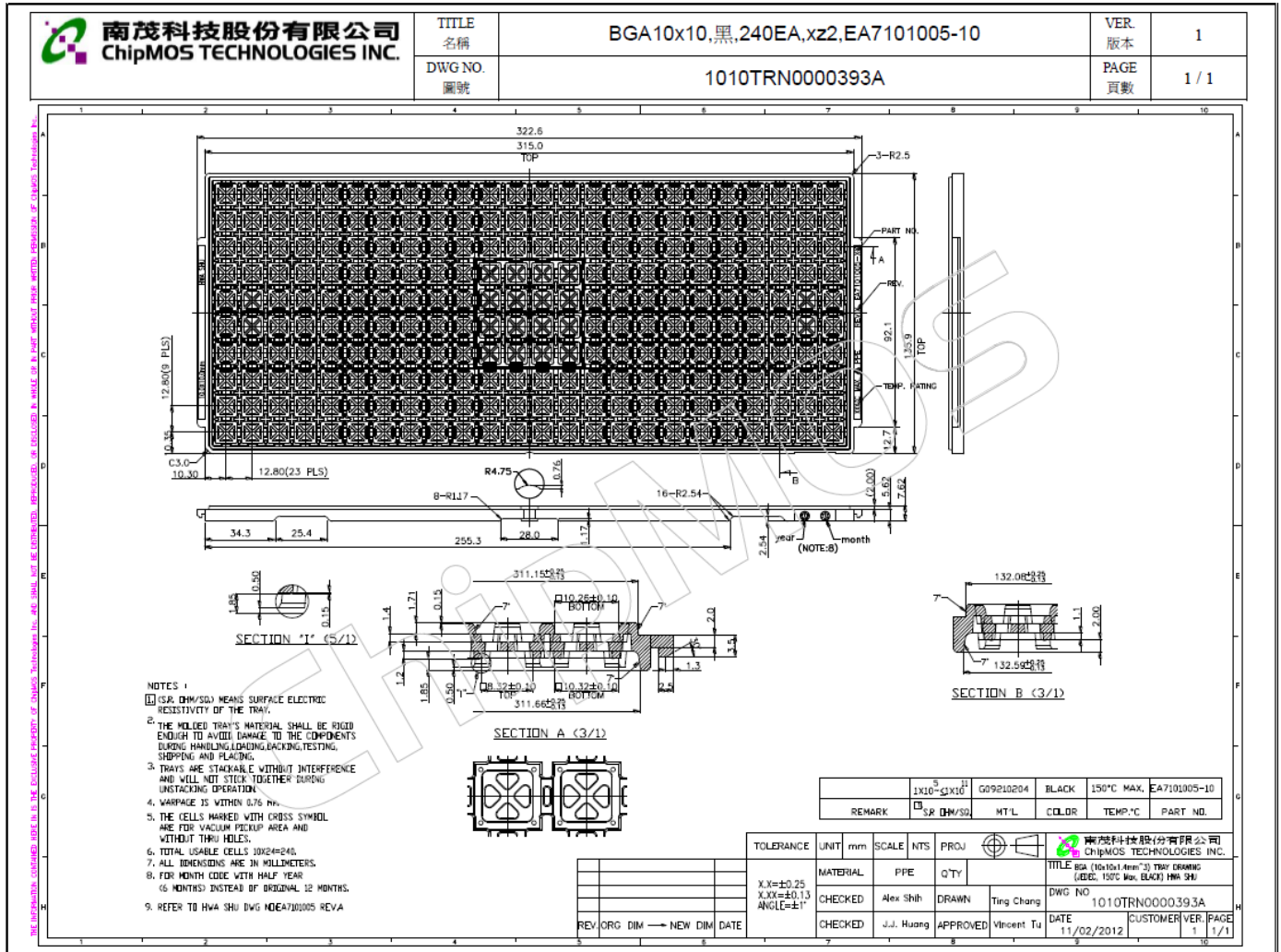
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Everspin Quality Everspin Technologies (480) 347-1111 <a href="mailto:bonnie.paro@everspin.com">bonnie.paro@everspin.com</a>	Contact Everspin sales: <a href="http://www.everspin.com/contact-us-everspin-technologies">http://www.everspin.com/contact-us-everspin-technologies</a> If using the on-line sample request, please refer to this PCN # to receive samples.
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Originator		
<u>Date</u>	<u>Title</u>	<u>Name</u>
11/9/2022	Senior Quality Engineer	Bonnie S. Paro 
Approval and Release		
<u>Date</u>	<u>Title</u>	<u>Name</u>
11/9/2022	VP of Fab Ops & Quality	Khaldoun Barakat 
<a href="#">Click here to enter a date.</a>	VP of Backend Operations	Amit Shah 
11/9/2022	Sr. Director of Marketing	Joe O'Hare 

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## Hwa Shu (NEW)



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## UBOT (OLD)

