

Product Change Notice (PCN)

Subject: Change to Cu wire and change factory for Synergy, RA2A1, RA4, RA6 HWQFN package product

Publication Date: 6/26/2020

Effective Date: 1/1/2021 MP start sequentially depending on the preparation situation of each products

Revision Description:

Initial Release

Description of Change:

- 1) Material: Standard materials are used in new factory
 - 1-1) Bonding wire change to Copper (Cu) from Gold (Au)
 - 1-2) Lead frame, Plating (PPF→Pure-Sn), Die mount material and Mold resin material change
- 2) Factory
 - 2-1) Assembly factory:

Current: Amkor Technology Japan Kumamoto

New: Powertech Technology Inc., Group/ Greatek Electronics Inc.,
 - 2-2) Sorting factory:

Current: Amkor Technology Japan Kumamoto

New: King Yuan Electronics Co., Ltd
- 3) Package outline: JEDEC compliant

There are changes in dimensions.

The package surface becomes matte but does not affect the reliability.
- 4) Marking on package
 - 4-1) Font change
 - 4-2) Lot number of manufacturing change (from 9 digit to 7 digit)
 - 4-3) Delete country of origin indication
- 5) Packaging material:
 - 5-1) Tray change
 - 5-2) Addition of bundling band color (Black)
 - 5-3) Emboss tape change
 - 5-4) Reel for emboss taping change
- 6) Storage condition after opening: JEDEC compliant

Current product: Amkor Technology Japan: Within 30°C/ 70%RH/ 168h

New product: Powertech Technology Inc., Group: Within 30°C/ 60%RH/ 168h

Affected Product List:

Synergy and RA HWQFN package products.
Please refer to attached products list for details.

This table is outline

Family	Current	Change	Packing type	CS availability date
Synergy	R7FS5D37A3A01CNB#AC0	R7FS5D37A3A01CNB#AA0	Tray	Nov.1, 2020
	R7FS5D37A3A01CNB#HC0	R7FS5D37A3A01CNB#HA0	T&R	Dec.1, 2020
	R7FS3A77C3A01CNB#AC1	R7FS3A77C3A01CNB#AA1	Tray	Nov.30, 2020
	R7FS3A6783A01CNF#AC0	R7FS3A6783A01CNF#AA0	Tray	Jun.31, 2021
	R7FS3A6783A01CNE#AC0	R7FS3A6783A01CNE#AA0	Tray	Jun.31, 2021
	R7FS3A6783A01CNB#AC0	R7FS3A6783A01CNB#AA0	Tray	Jun.31, 2021
	R7FS3A37A3A01CNB#AC0	R7FS3A37A3A01CNB#AA0	Tray	Jun.31, 2021
	R7FS3A17C3A01CNB#AC0	R7FS3A17C3A01CNB#AA0	Tray	Jun.31, 2021
	R7FS1JA783A01CNF#AC0	R7FS1JA783A01CNF#AA0	Tray	Jun.31, 2021
	R7FS1JA783A01CNE#AC0	R7FS1JA783A01CNE#AA0	Tray	Jun.31, 2021
	R7FS128783A01CNG#AC1	R7FS128783A01CNG#AA1	Tray	Jun.31, 2021
	R7FS128783A01CNE#AC1	R7FS128783A01CNE#AA1	Tray	Jun.31, 2021
	R7FS124773A01CNF#AC1	R7FS124773A01CNF#AA1	Tray	Jun.31, 2021
	R7FS124773A01CNE#AC1	R7FS124773A01CNE#AA1	Tray	Jun.31, 2021
	R7FS124773A01CNB#AC1	R7FS124773A01CNB#AA1	Tray	Jun.31, 2021
RA6	R7FA6M1AD3CNB#AC0	R7FA6M1AD3CNB#AA0	Tray	Nov.1, 2020
RA4	R7FA4M1AB3CNB#AC0	R7FA4M1AB3CNB#AA0	Tray	Jun.31, 2021
	R7FA4M1AB3CNE#AC0	R7FA4M1AB3CNE#AA0	Tray	Jun.31, 2021
	R7FA4M1AB3CNF#AC0	R7FA4M1AB3CNF#AA0	Tray	Jun.31, 2021
RA2A1	R7FA2A1AB3CNE#AC0	R7FA2A1AB3CNE#AA0	Tray	Jun.31, 2021
	R7FA2A1AB3CNF#AC0	R7FA2A1AB3CNF#AA0	Tray	Jun.31, 2021

Reason for Change:

For Synergy and RA MCU products, we continuously add manufacturing factories and change assembly materials for stable supply.
For HWQFN package products, manufacturing factories and assembly materials also are changed this time.

Impact on Fit, Form, Function, Quality & Reliability:

QC flow, fit, form, function, quality and reliability: There is no change.

Product Identification:

From the packing label or trace code, the production history data can be inquired.

Qualification Status: Renesas will complete the qualification for end of Oct.

Sample Availability Date: 11/1/2020

Sequentially provide customer sample. Please refer to attached products list for details.

Device Material Declaration: Please contact Renesas sales, distributor or agency.

Note:

1. Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved.
2. If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN to make any objections to this PCN. If Customer fails to make objections to this PCN within 90 days of the receipt of the PCN then Renesas will consider the PCN changes as approved.
3. If customer cannot accept the PCN then customer must provide Renesas with a last time buy demand and purchase order.

For additional information regarding this notice, please contact your Renesas sales representative.